[illegible]

CONSULTANTS:



ARCHITECT/ENGINEERS:



11 W. Huling Avenue  
Memphis, Tennessee 38103  
t 901.260.9600  
f 901.531.8042  
brg3s.com

DRAWING TITLE:  
**HARDSCAPE PLAN**

SCALE: 1" = 10'

APPROVED PROJECT DIRECTOR:

PROJECT TITLE:  
VA BUILDING 1A  
ENTRANCE EXPANSION

LOCATION:  
**VAMC, Memphis, Tennessee**

Jan. 27, 2014

CHECKED:

DRAWN:

PROJECT NUMBER:  
614-318

BUILDING NUMBER:  
1A

DRAWING NUMBER:  
1104

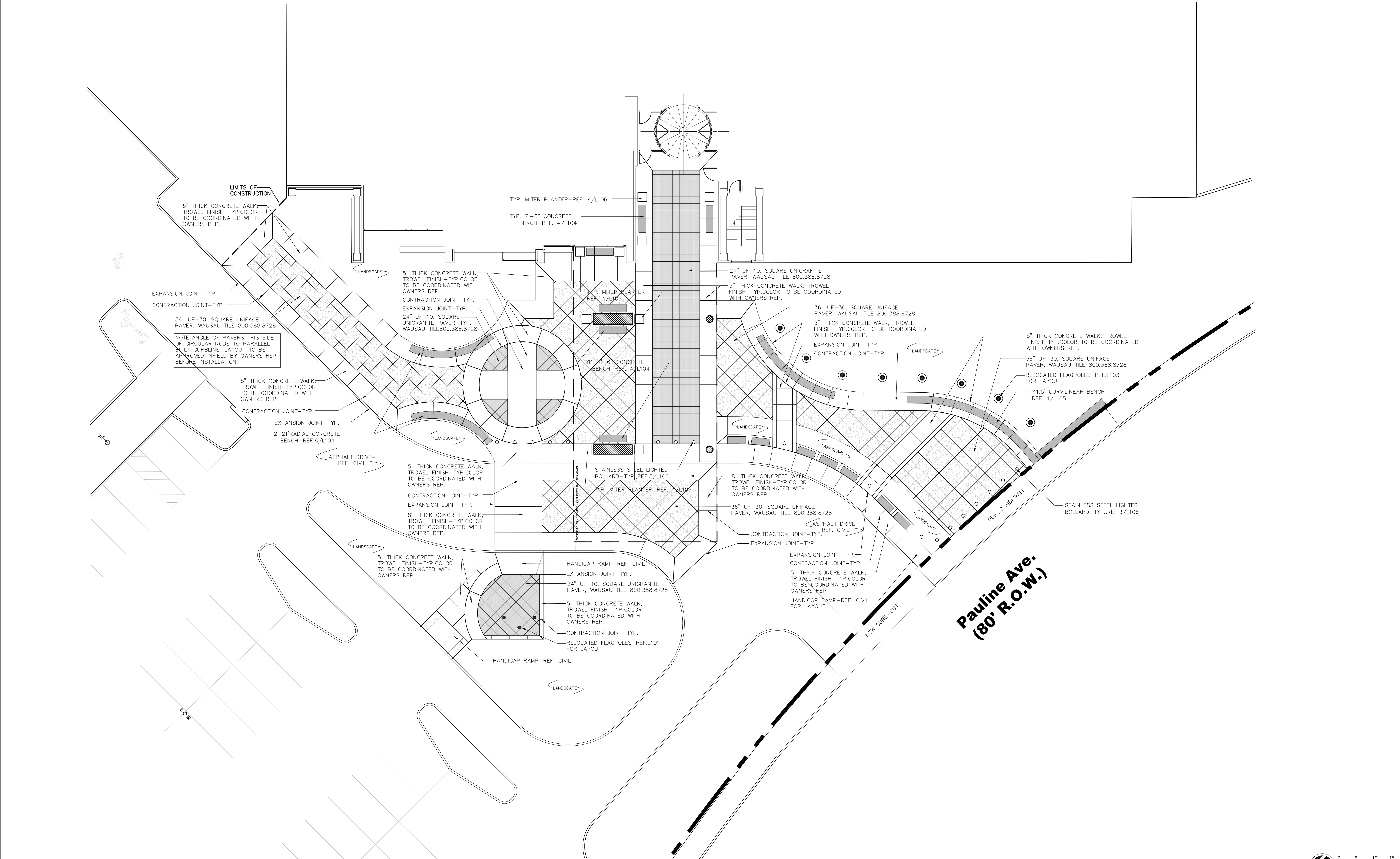
DWG. OF





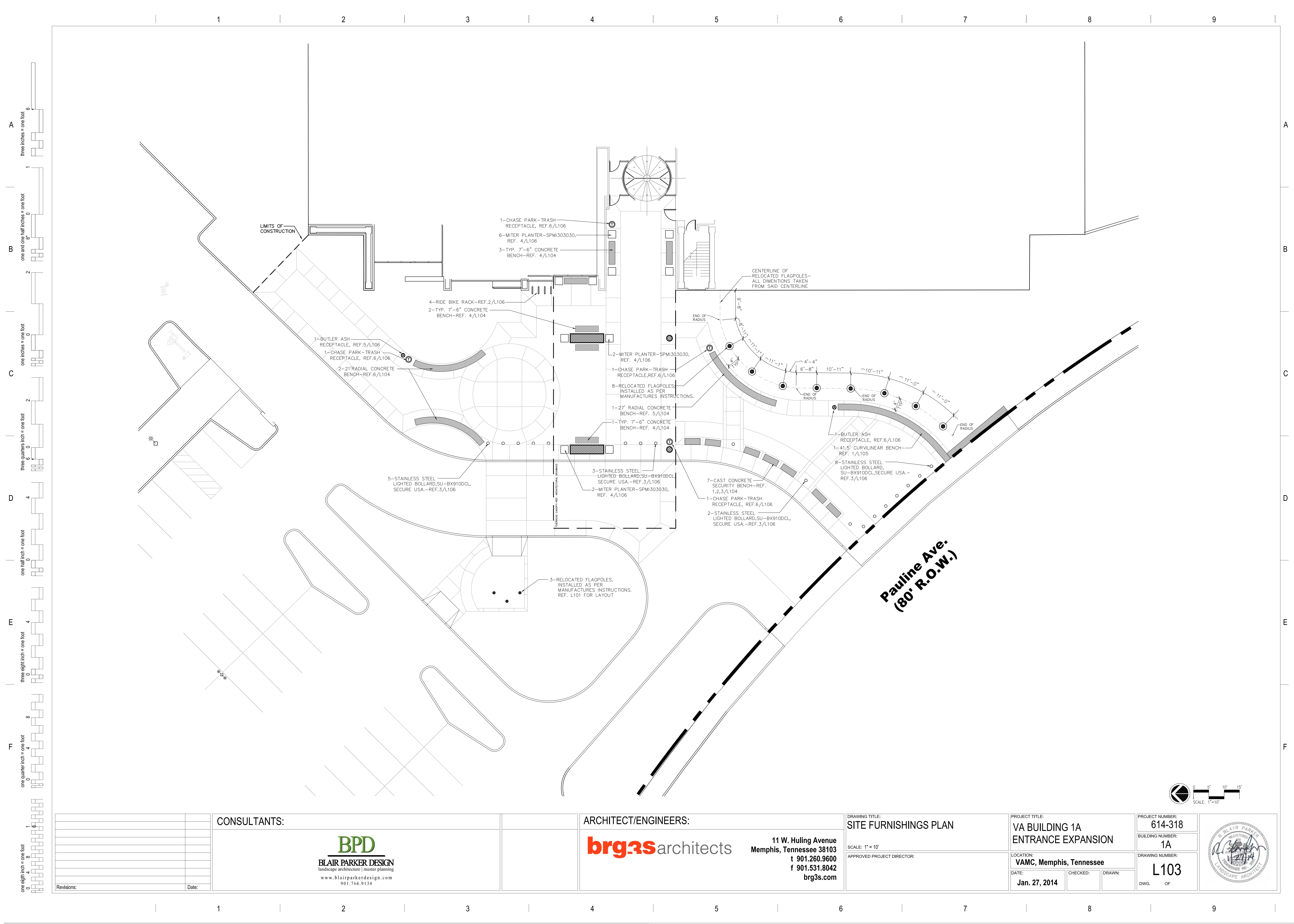
A  
three inches = one foot  
1  
0  
6  
B  
one and one half inches = one foot  
2  
0  
6  
C  
one inches = one foot  
2  
0  
6  
D  
three quarters inch = one foot  
4  
0  
6  
E  
one half inch = one foot  
4  
0  
6  
F  
one quarter inch = one foot  
4  
0  
6  
1  
0  
6  
one eighth inch = one foot  
1  
0  
6

A  
B  
C  
D  
E  
F

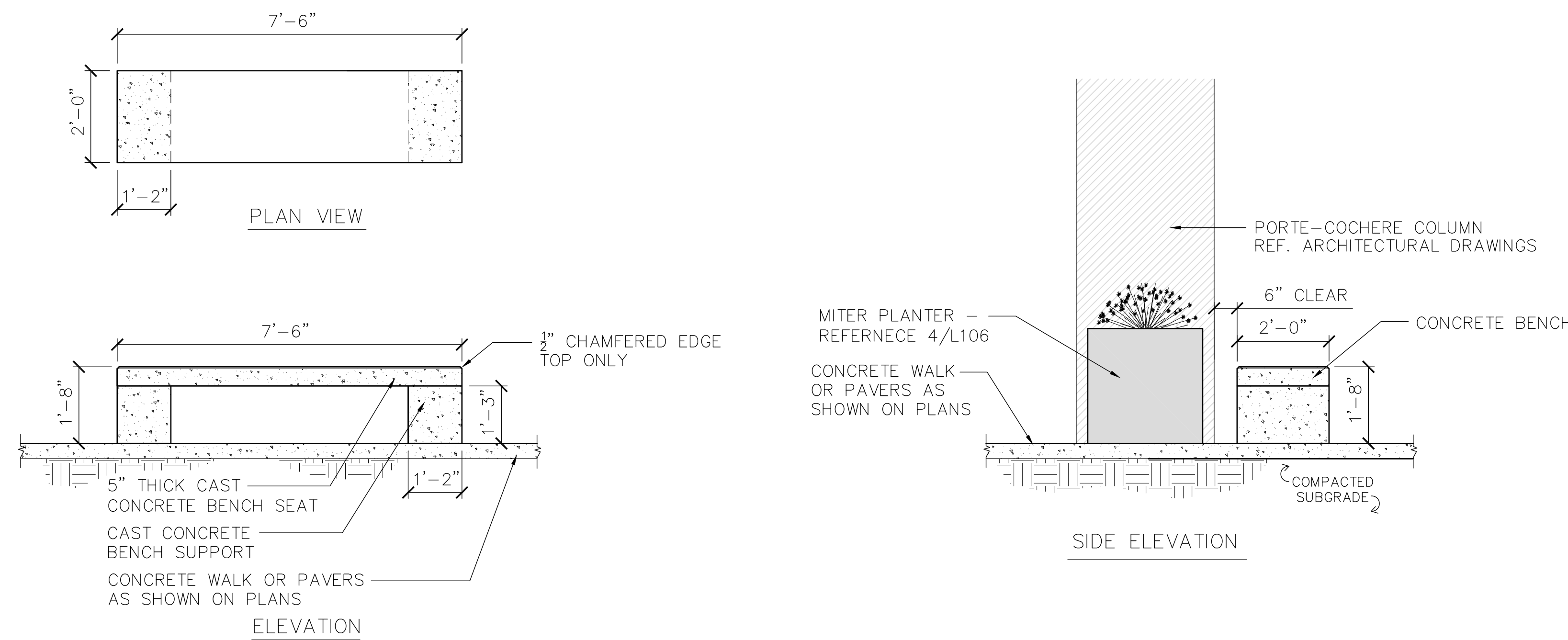


Revisions:	Date:	<b>CONSULTANTS:</b>  <b>BPD</b> BLAIR PARKER DESIGN landscape architecture   master planning www.blairparkerdesign.com 901.766.9134	<b>ARCHITECT/ENGINEERS:</b>  <b>brg3s</b> architects 11 W. Huling Avenue Memphis, Tennessee 38103 t 901.260.9600 f 901.531.8042 brg3s.com	<b>DRAWING TITLE:</b> PAVEMENT PLAN  SCALE: 1" = 10' APPROVED PROJECT DIRECTOR:	<b>PROJECT TITLE:</b> VA BUILDING 1A ENTRANCE EXPANSION  LOCATION: VAMC, Memphis, Tennessee DATE: Jan. 27, 2014	CHECKED:	DRAWN:	PROJECT NUMBER: 614-318 BUILDING NUMBER: 1A DRAWING NUMBER: L102 DWG. OF	





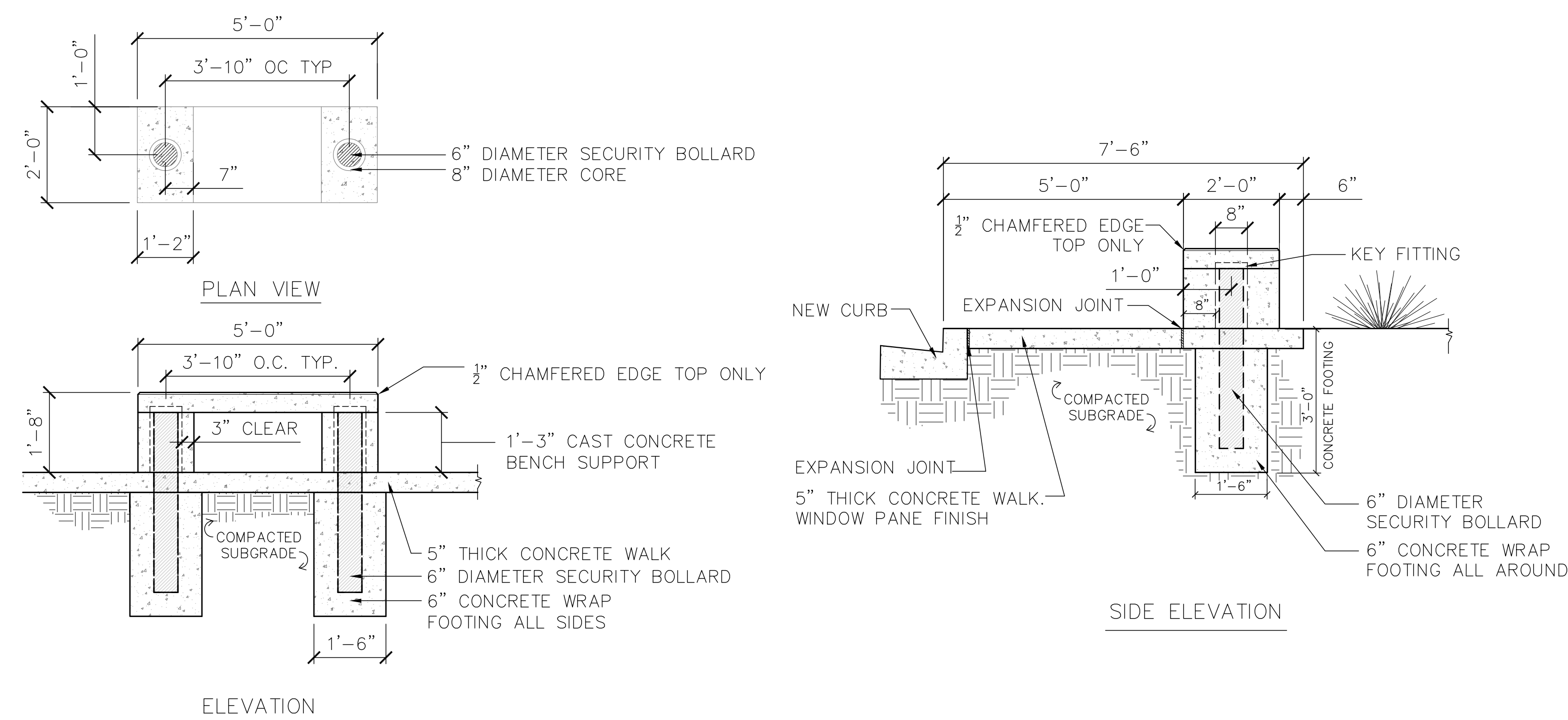




4 TYPICAL 7'-6" CAST CONCRETE BENCH  
L104 SCALE: 1"=2'-0"

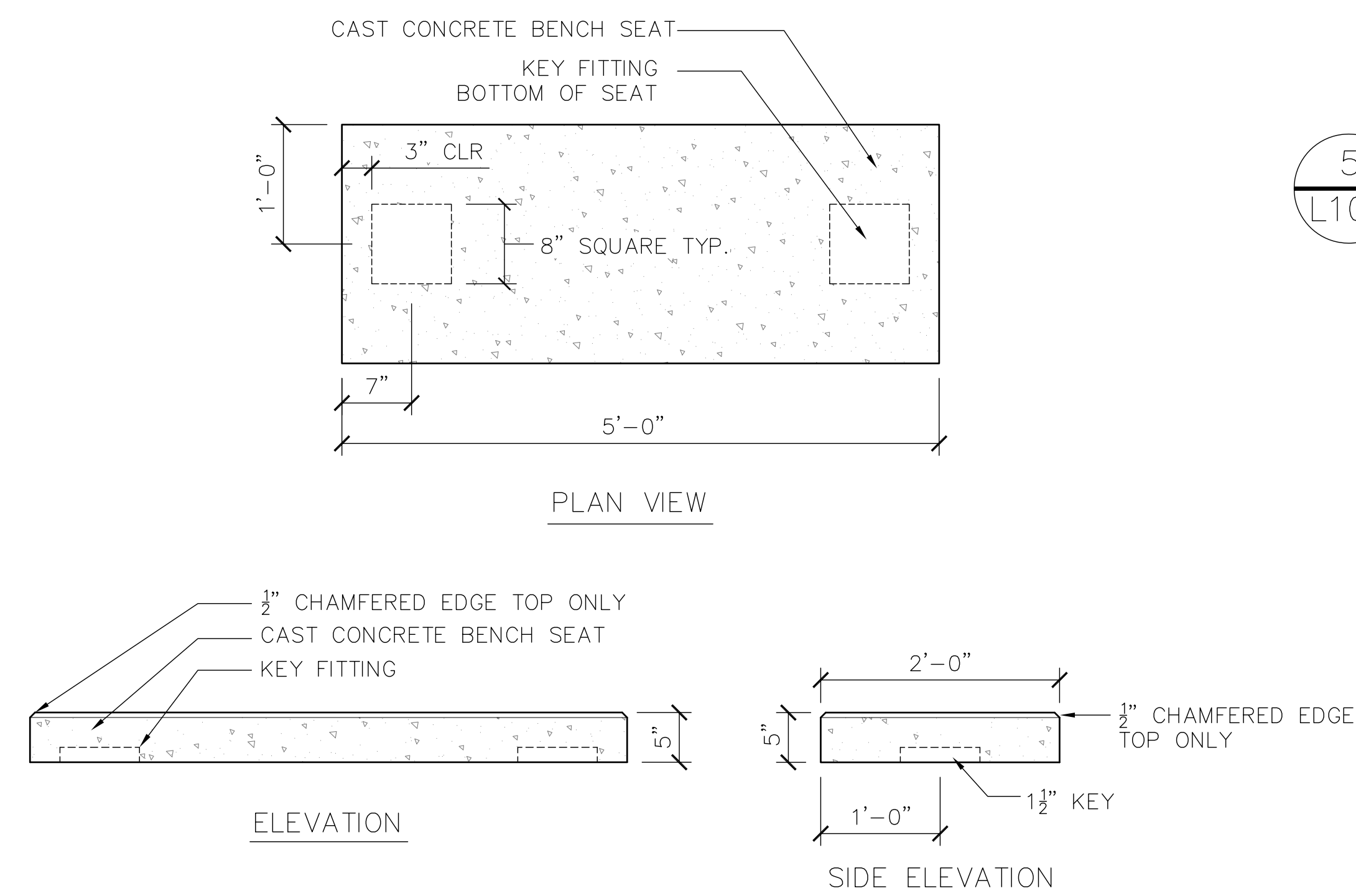
1 CAST CONCRETE SECURITY BENCH LAYOUT ENLARGEMENT  
L104 SCALE: 1"=4'-0"

NOTE: DIMENSIONS ARE TAKEN FROM BACK OF CURB

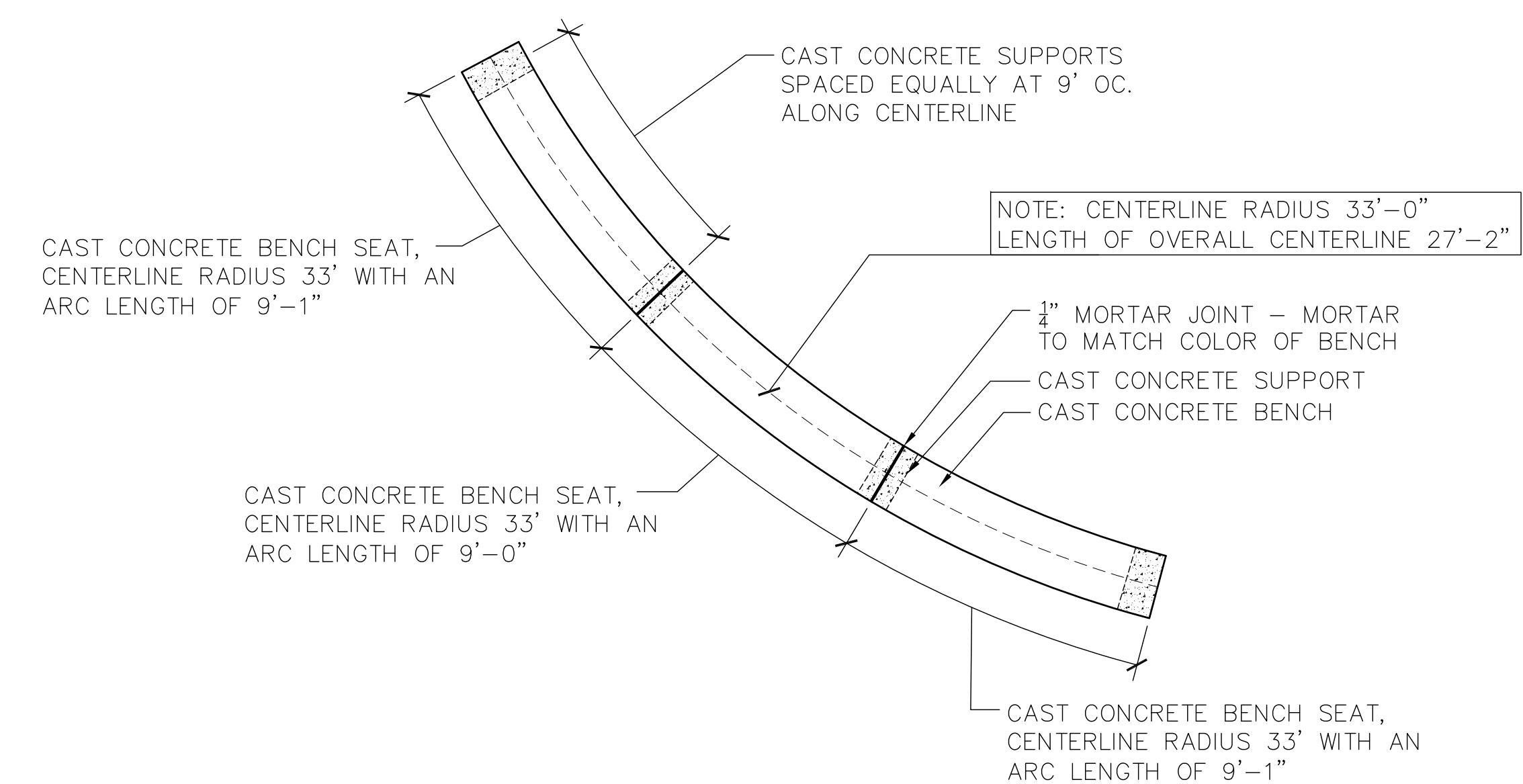


2 CAST CONCRETE SECURITY BENCH DETAIL  
L104 SCALE: 1"=2'-0"

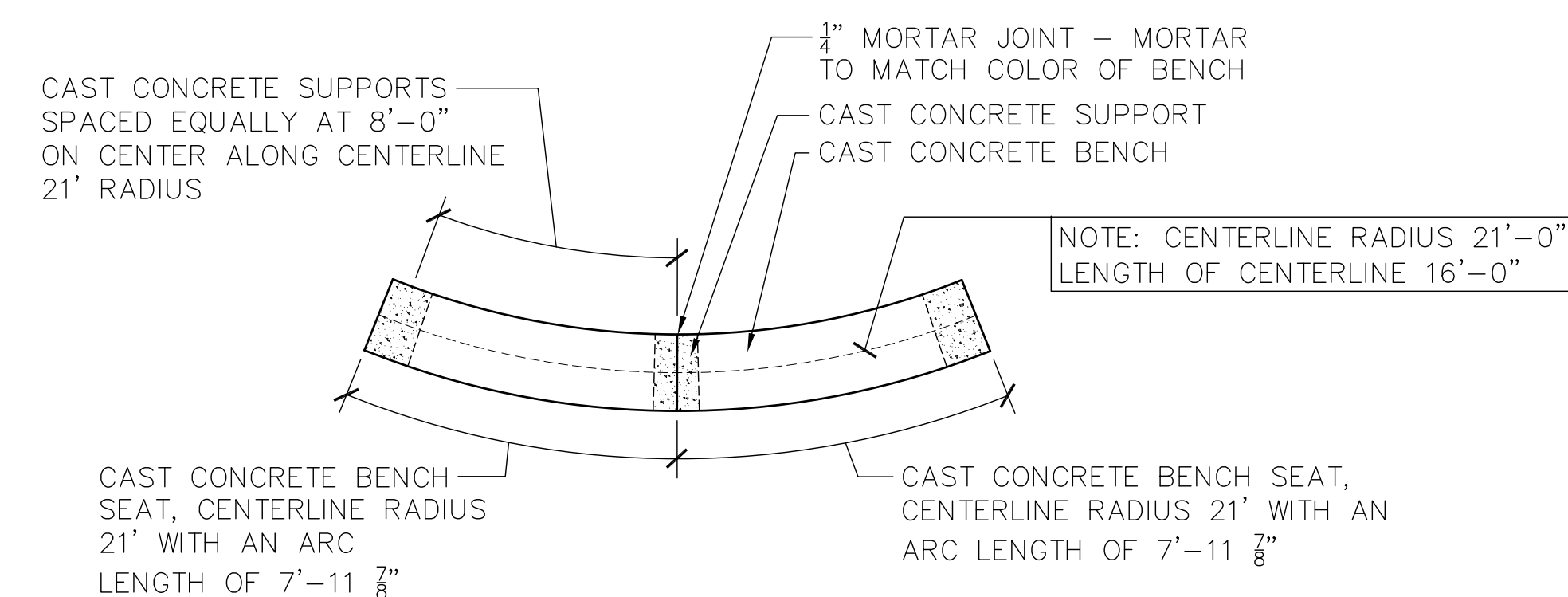
NOTE: CONTRACTOR SHALL COORDINATE BOLLARD SIZE WITH THE BENCH MANUFACTURER BEFORE FABRICATION BEGINS.  
REFERENCE DETAIL 3/L104



3 TYPICAL CAST CONCRETE SECURITY BENCH SEAT DETAIL  
L104 SCALE: 1"=1'-0"



5 27' RADIAL CONCRETE BENCH PLAN VIEW ENLARGEMENT  
L104 SCALE: 1"=4'-0"  
NOTE: REFERENCE DETAIL 2/L105



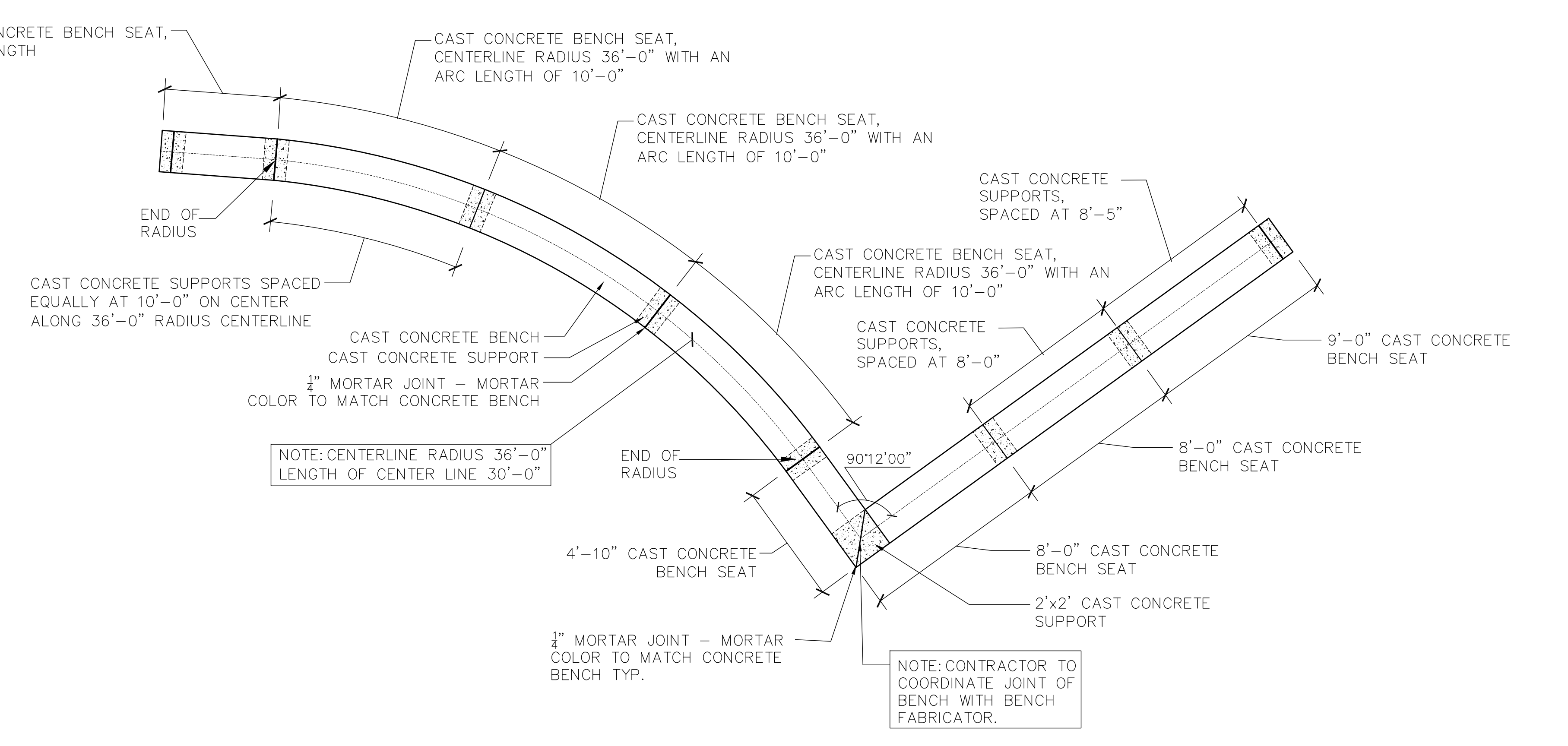
6 21' RADIAL CONCRETE BENCH PLAN VIEW ENLARGEMENT  
L104 SCALE: 1"=4'-0"  
NOTE: REFERENCE DETAIL 2/L105

		CONSULTANTS:		ARCHITECT/ENGINEERS:		PROJECT NUMBER: 614-318					
				 <div>11 W. Huling Avenue Memphis, Tennessee 38103 t 901.260.9600 f 901.531.8042 brg3s.com</div>		DRAWING TITLE: HARDSCAPE DETAILS				PROJECT TITLE: VA BUILDING 1A ENTRANCE EXPANSION	
						SCALE: 1" = 10'				BUILDING NUMBER: 1A	
						APPROVED PROJECT DIRECTOR:				LOCATION: VAMC, Memphis, Tennessee	
Revisions:		Date:				DRAWING NUMBER: L104		DWG. OF			

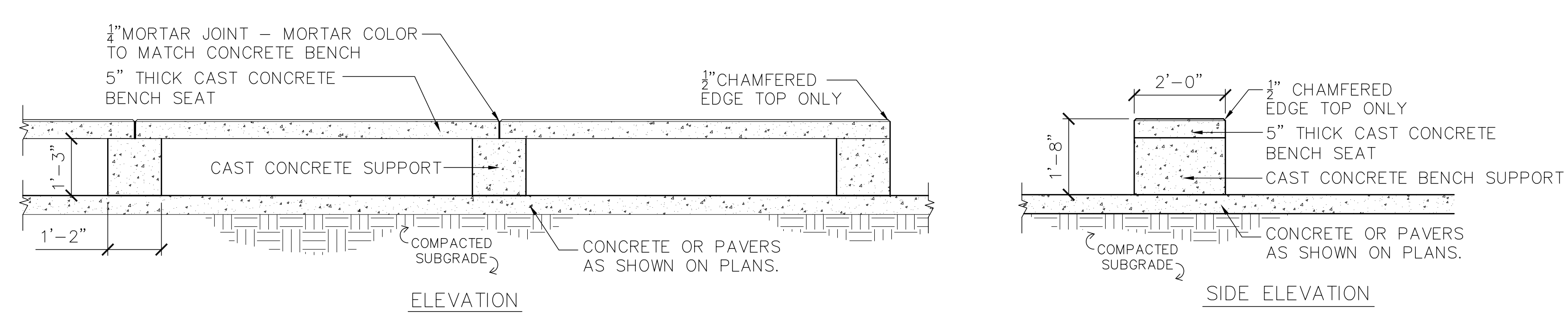


A three inches = one foot  
B one and one half inches = one foot  
C one inches = one foot  
D three quarters inch = one foot  
E one half inch = one foot  
F one quarter inch = one foot  
one eighth inch = one foot

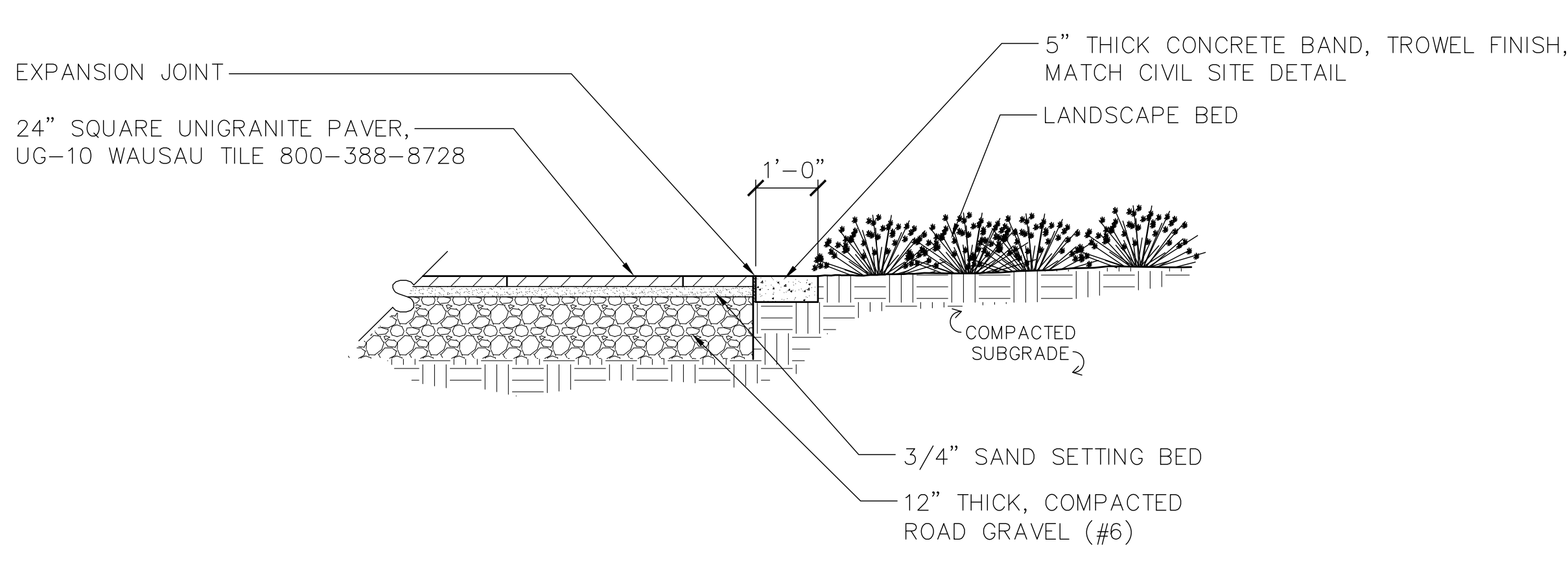
A  
B  
C  
D  
E  
F



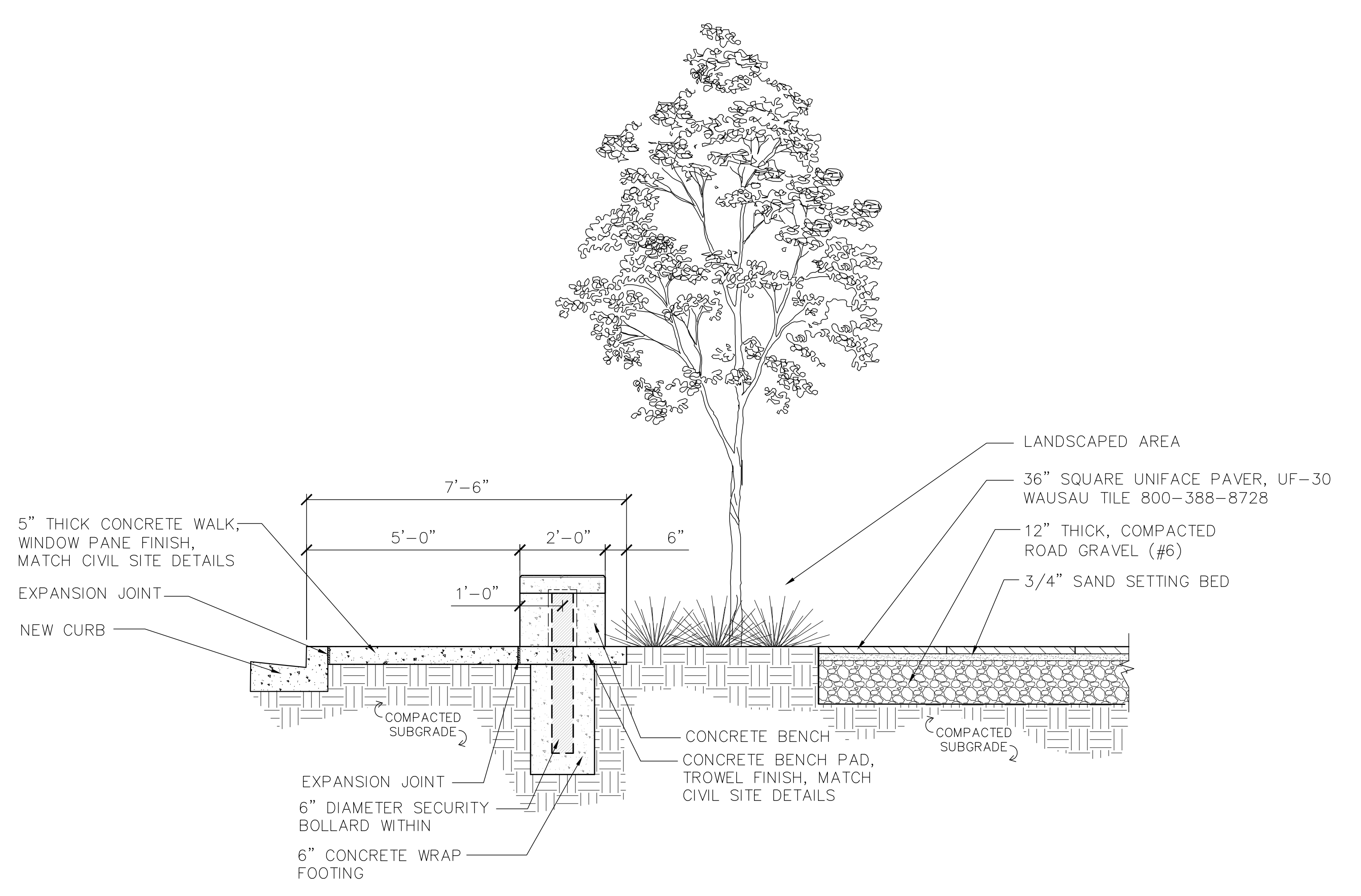
1 41.5' CURVILINEAR CONCRETE BENCH PLAN VIEW ENLARGEMENT  
L105 SCALE: 1"=4'-0"  
NOTE: REF. 2/L105



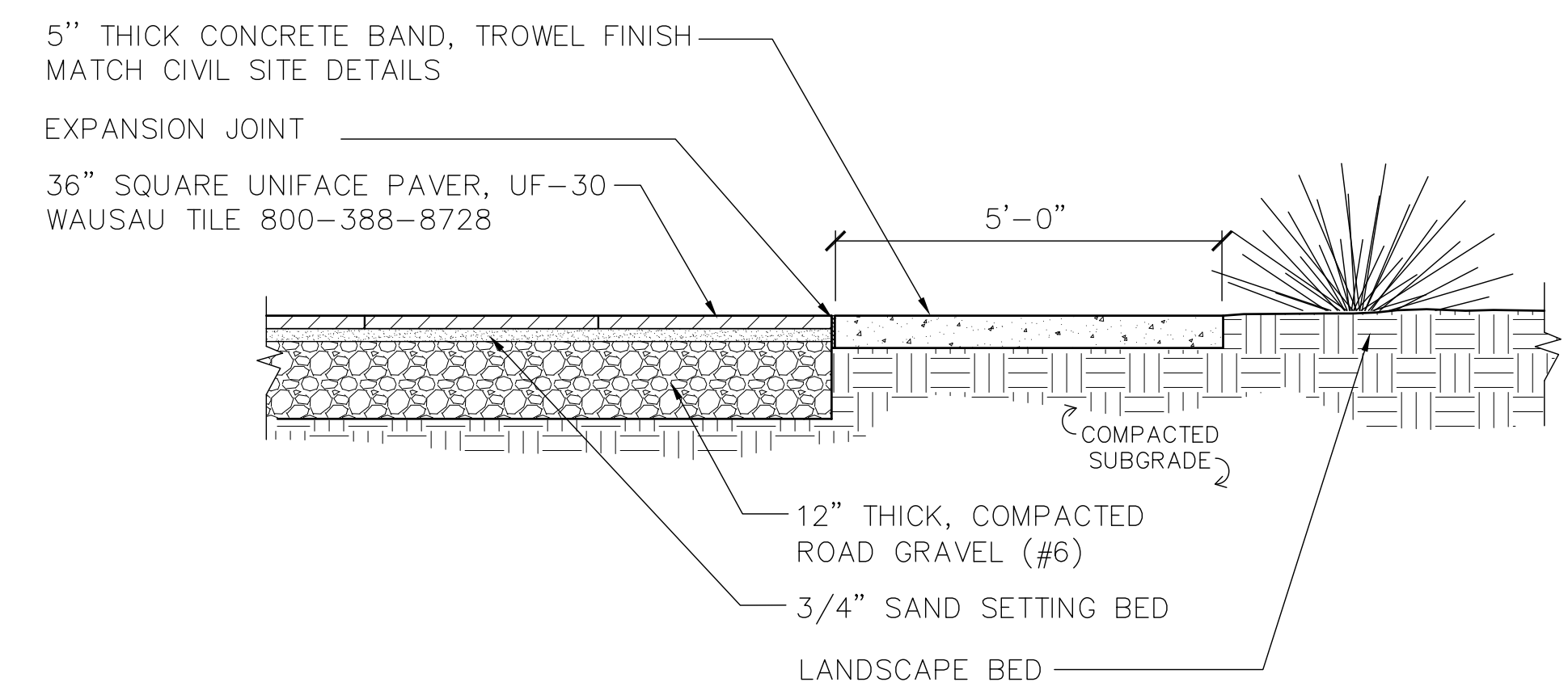
2 TYPICAL CAST CONCRETE BENCH ENLARGMENT  
L105 SCALE: 1"=2'-0"  
NOTE:  
1. RADIUS AND LENGTH VARY PER BENCH. REFERENCE DETAIL 5&6/L104 AND 1/L105 FOR LAYOUT INFORMATION.  
2. ALL RADIAL CONCRETE SEATS SHALL BE MORTARED TO THE SUPPORTS-MORTAR COLOR SHALL MATCH CAST CONCRETE BENCH.



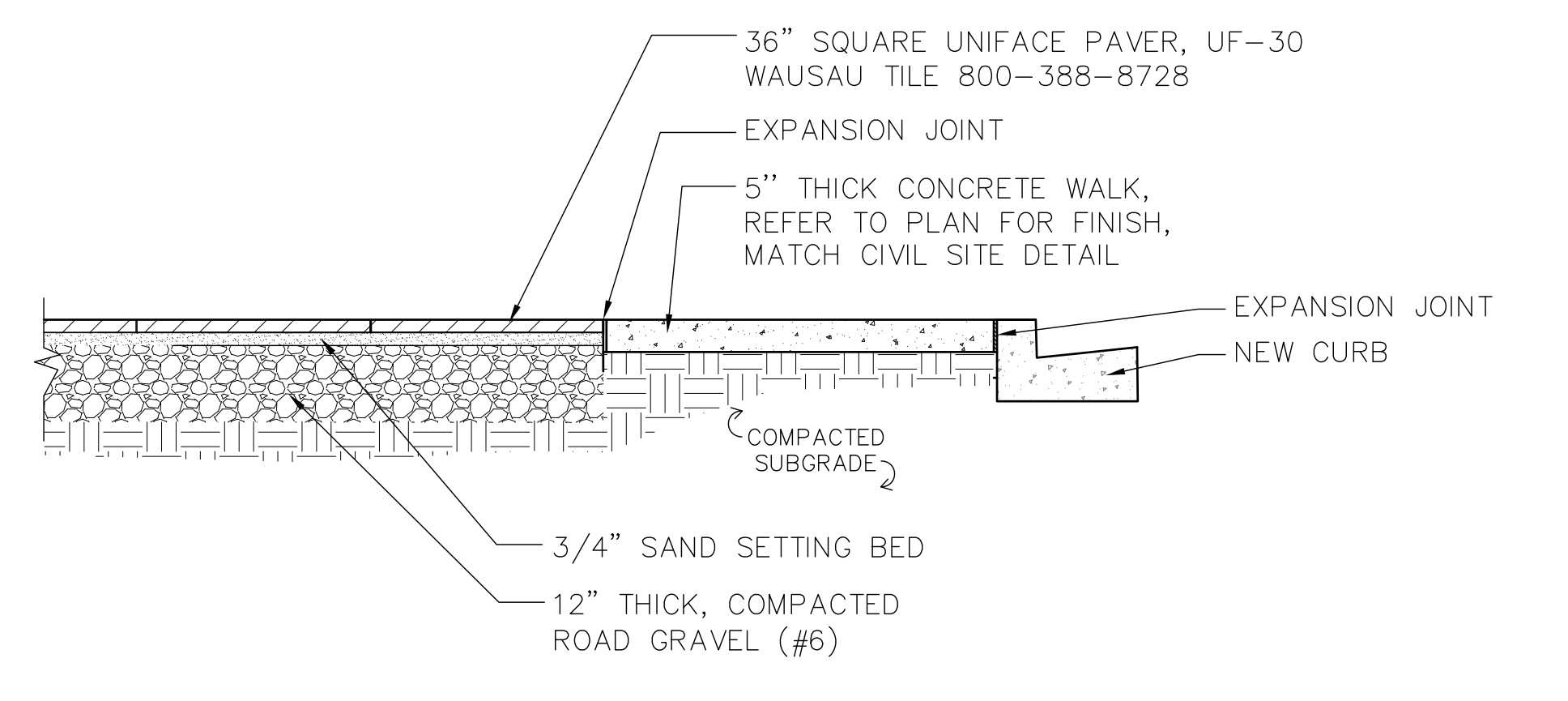
5 AMERICAN FLAG PLAZA SECTION  
L105 SCALE: 1"=2'-0"



3 SECURITY BENCH AND PLAZA SECTION  
L105 SCALE: 1"=2'-0"



4 CONCRETE BAND SECTION  
L105 SCALE: 1"=2'-0"



6 PAVER AND CONCRETE WALK SECTION  
L105 SCALE: 1"=2'-0"

Revisions:	Date:	CONSULTANTS:	ARCHITECT/ENGINEERS:	DRAWING TITLE:	PROJECT TITLE:	PROJECT NUMBER:	
				HARDSCAPE DETAILS	VA BUILDING 1A	614-318	
		landscape architecture   master planning	11 W. Huling Avenue	SCALE: 1" = 10'	ENTRANCE EXPANSION	BUILDING NUMBER:	
		www.blairparkerdesign.com	Memphis, Tennessee 38103	APPROVED PROJECT DIRECTOR:	VAMC, Memphis, Tennessee	1A	
		901.766.9134	t 901.260.9600		LOCATION:	DRAWING NUMBER:	
			f 901.531.8042		DATE:	L105	
			brg3s.com		Jan. 27, 2014	DWG. OF	



A

B

C

D

E

F

A

B

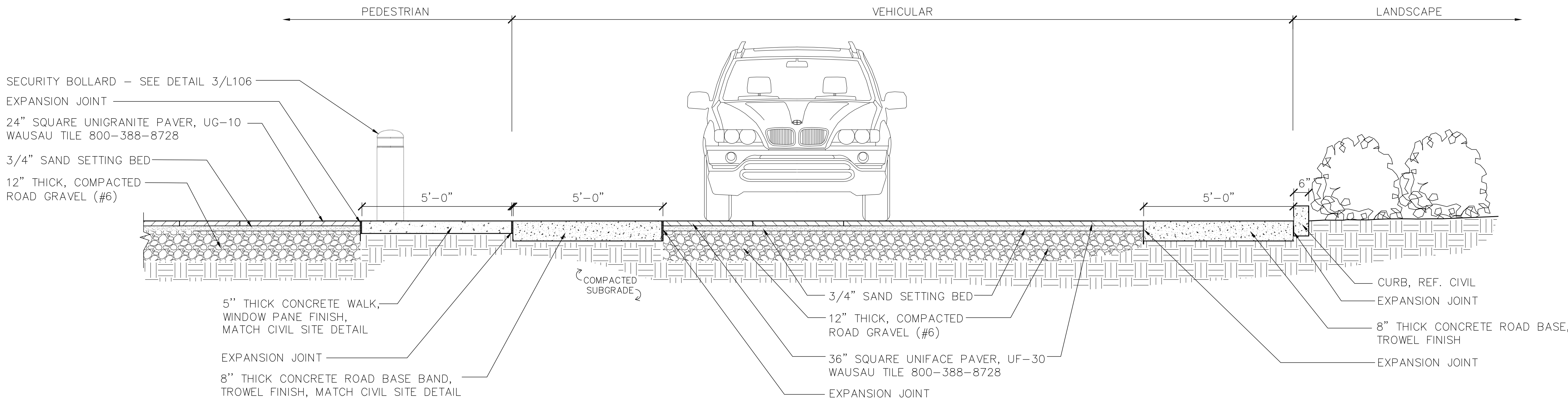
C

D

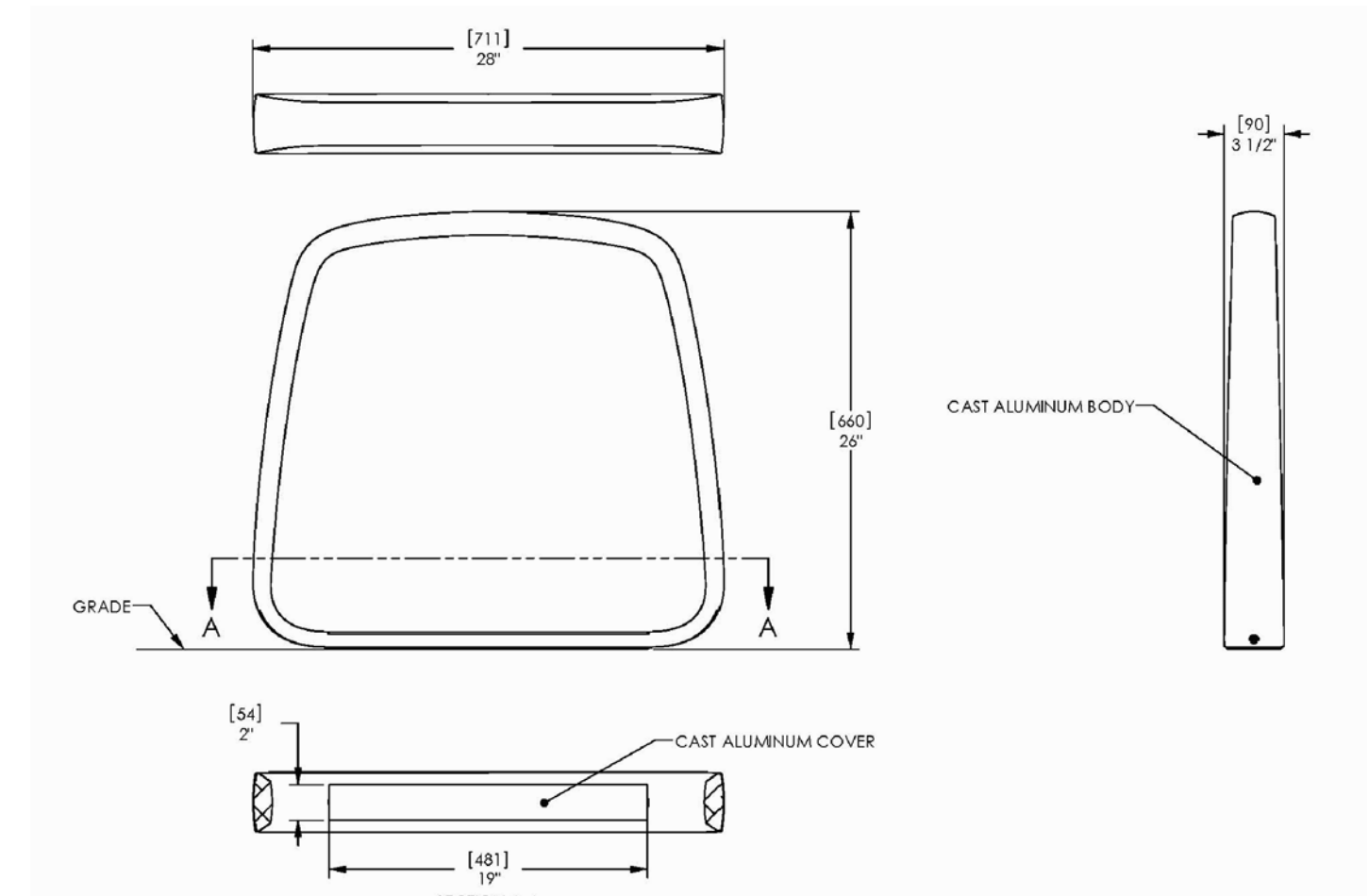
E

F

three inches = one foot  
one and one half inches = one foot  
one inches = one foot  
three quarters inch = one foot  
one half inch = one foot  
three eighth inch = one foot  
one quarter inch = one foot  
one eighth inch = one foot

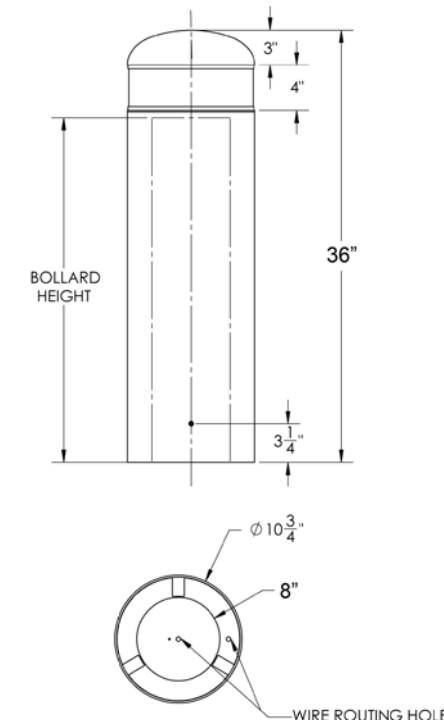


1 MAIN DROP OFF SECTION AT CANOPY  
L106 SCALE: 1"=2'-0"

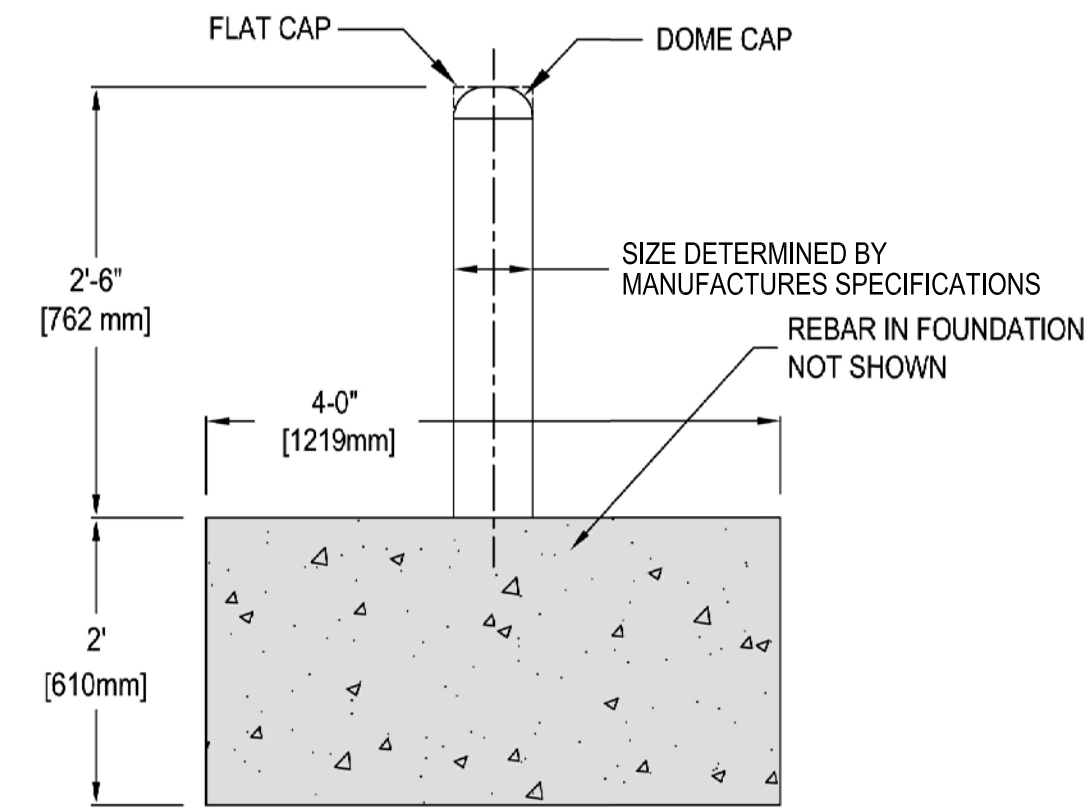


2 RIDE-BIKE RACK, SILVER LANDSCAPE FORMS  
L106 NTS 800.521.2546

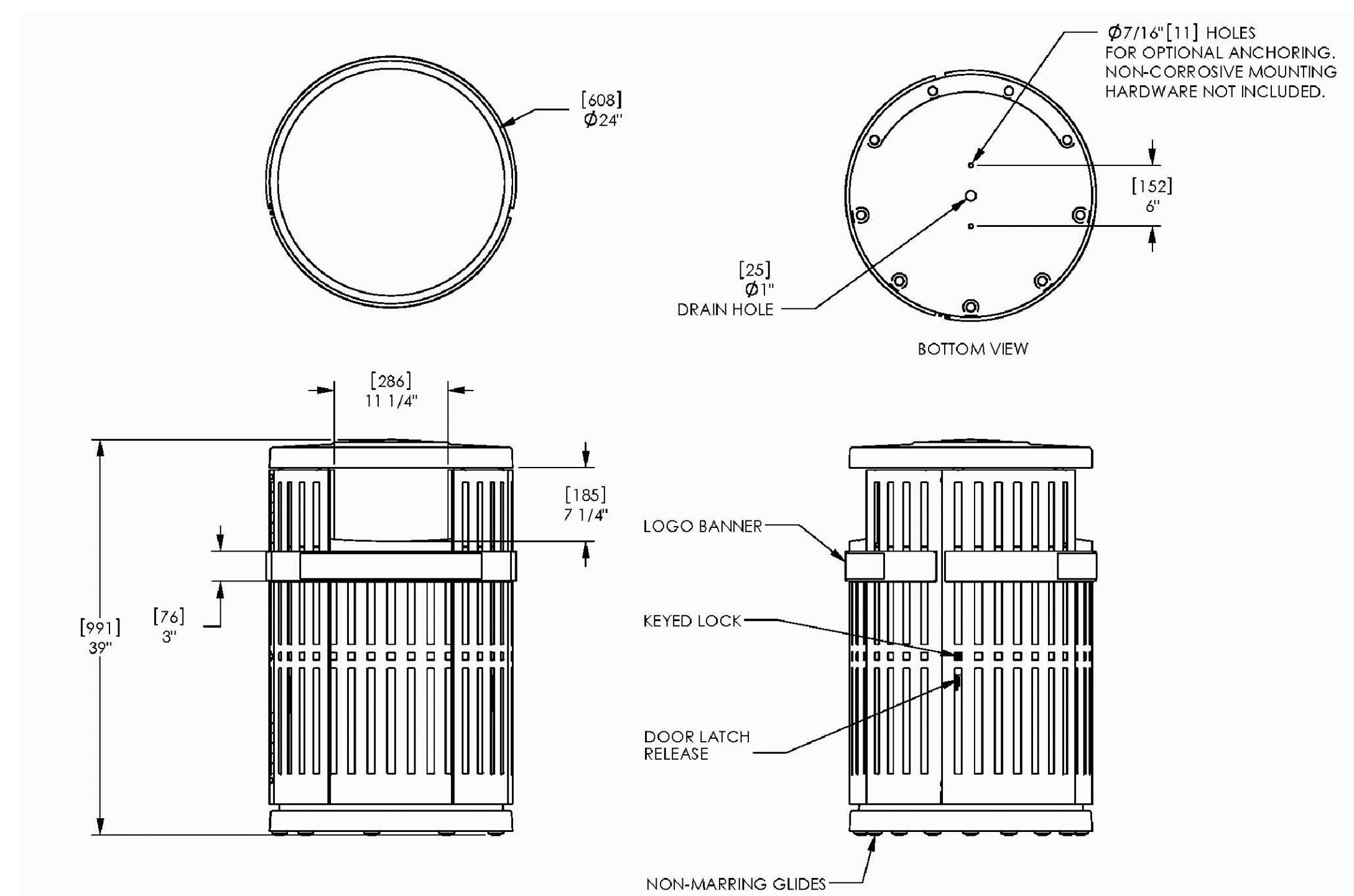
NOTES:  
-INSTALLED AS PER MANUFACTURES SPECIFICATIONS



BOLLARD SLEEVE DETAIL

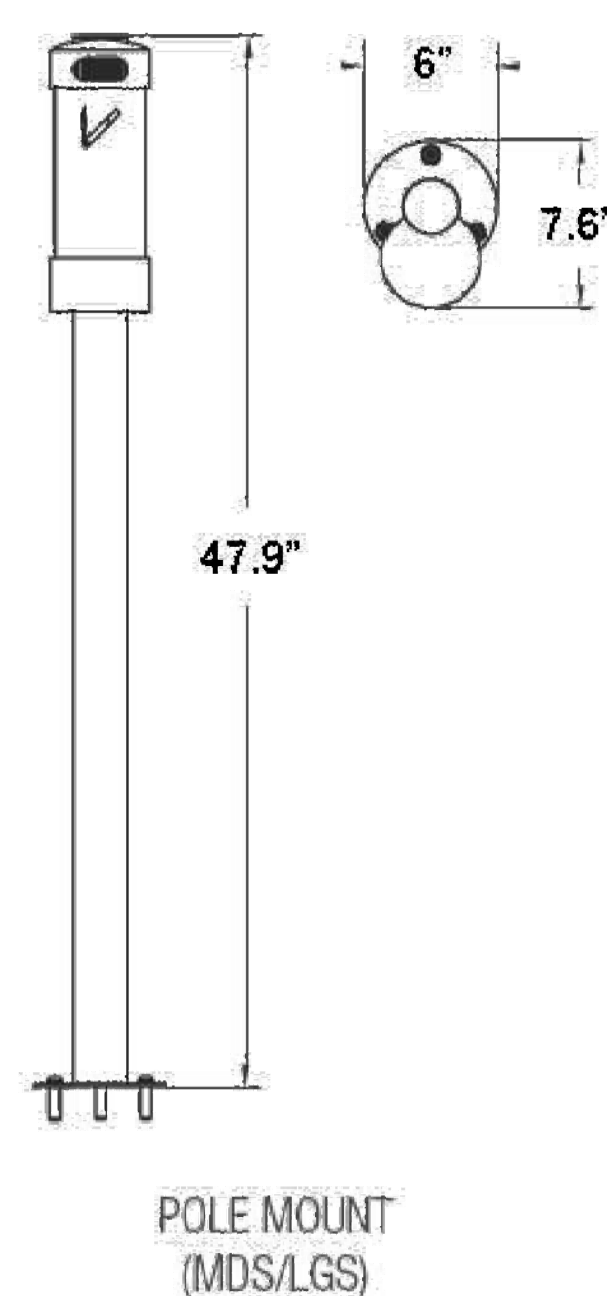


BOLLARD ASSEMBLY DETAIL



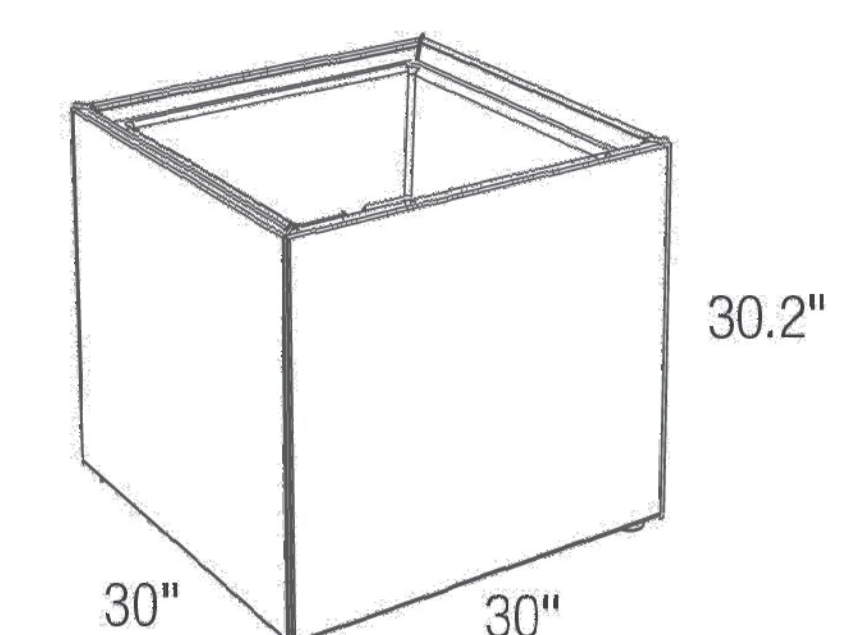
6 CHASE PARK-TRASH RECEPTACLE, SILVER LANDSCAPE FORMS  
L106 NTS 800.521.2546

NOTES:  
-SIDE OPENING, NO SAND PAN  
-INSTALLED AS PER MANUFACTURES SPECIFICATIONS



5 BUTLER ASH RECEPTACLE-SUBUT-MDS/LGS FORMS+SURFACES  
L106 NTS 800.451.0410

NOTES:  
-POLE MOUNTED, SILVER  
-INSTALLED AS PER MANUFACTURES SPECIFICATIONS

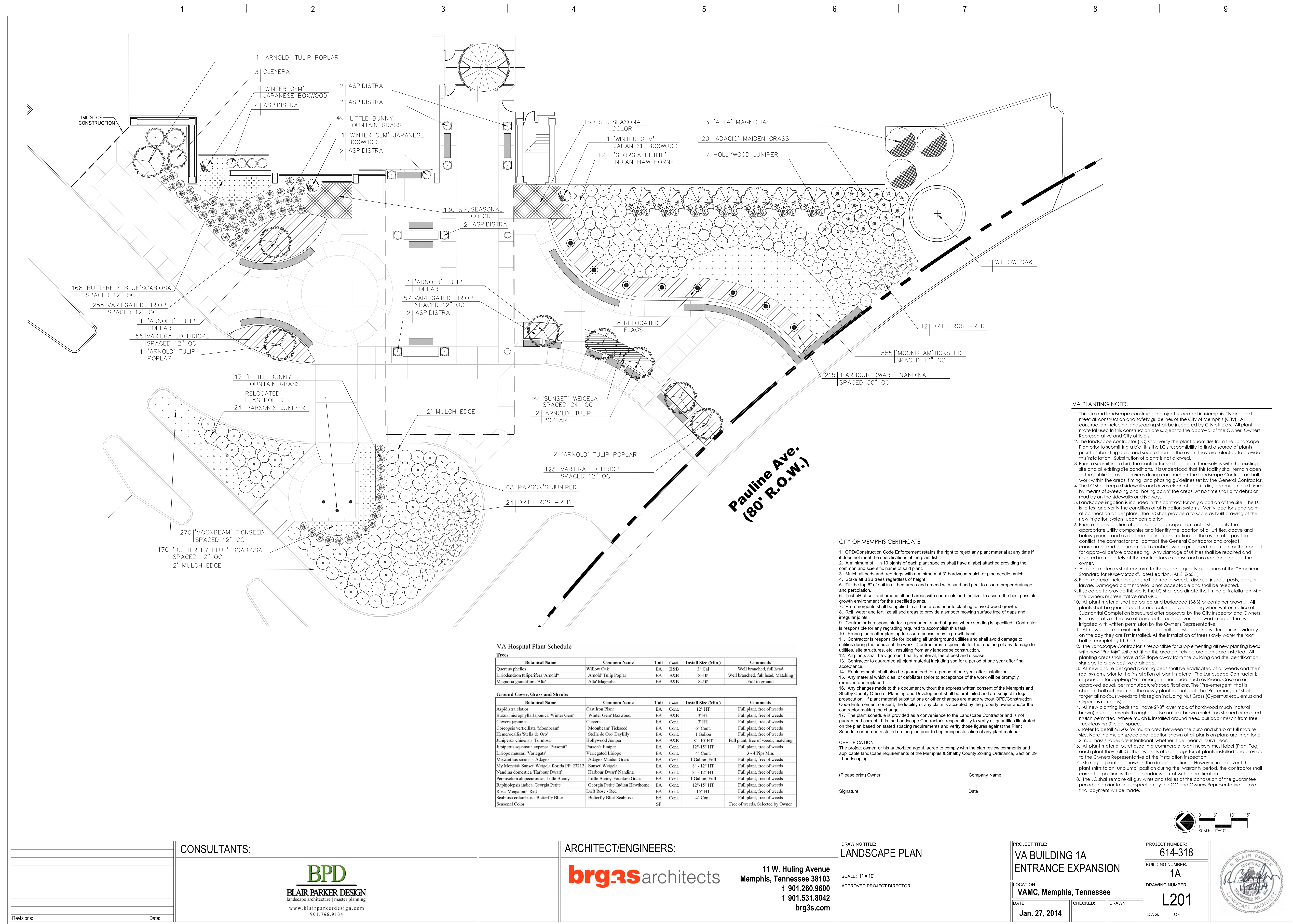


4 MITER PLANTER-SPMI303030 FORMS + SURFACES  
L106 NTS 800.451.0410

NOTES:  
-INSTALLED AS PER MANUFACTURES SPECIFICATIONS

				CONSULTANTS:				ARCHITECT/ENGINEERS:		DRAWING TITLE: HARDSCAPE DETAILS		PROJECT TITLE: VA BUILDING 1A ENTRANCE EXPANSION		PROJECT NUMBER: 614-318				
				 BLAIR PARKER DESIGN landscape architecture   master planning www.blairparkerdesign.com 901.766.9134		 11 W. Huling Avenue Memphis, Tennessee 38103 t 901.260.9600 f 901.531.8042 brg3s.com		SCALE: 1" = 10'		LOCATION: VAMC, Memphis, Tennessee		BUILDING NUMBER: 1A		DRAWING NUMBER: L106				
								APPROVED PROJECT DIRECTOR:		DATE: Jan. 27, 2014		CHECKED:		DRAWN:			DWG. OF	
Revisions:		Date:																





## CITY OF MEMPHIS CERTIFICATE

OPD/Construction Code Enforcement retains the right to reject any plant material at any time if it does not meet the specifications of the plant list.

2. A minimum of 1 in 10 plants of each plant species shall have a label attached providing the common and scientific names of said plant, the size of the plant, and the landscape construction schedule.

3. Mulch all bed areas and tree rings with a minimum of 3" hardwood mulch or pine needle mulch.

4. Stake all BAB trees regardless of height.

5. Test the pH of top of soil in all bed areas and amend with sand and peat to assure proper drainage.

6. Amend all bed areas with organic matter.

7. Test top of soil and amend all bed areas with chemicals and fertilizer to assure the best possible growth environment for the specified plants.

8. Pre-emergents shall be applied in all bed areas prior to planting to avoid weed growth.

9. Fertilize, water and mulch all bed areas.

10. Fertilize and water all soil areas to provide a smooth growing surface free of gaps and irregular joints.

11. Contractor is responsible for a permanent stand of grass where seeding is specified. Contractor is responsible for any regrading required to accomplish this task.

12. Prune plants after planting to ensure consistent in growth habit.

13. Contractor is responsible for locating all underground utilities and shall avoid damage to utilities during the course of the work. Contractor is responsible for the repairing of any damage to utilities, site structures, etc. caused by the work of the landscape construction.

14. All plants shall be vigorous, healthy material, free of pest and disease.

15. Contractor to guarantee all plant material including sod for a period of one year after final acceptance.

16. All plant materials shall also be guaranteed for a period of one year after installation.

17. Any material which dies, or defoliates (prior to acceptance of the work) will be promptly removed and replaced.

18. Any changes made to this document without the express written consent of the Memphis and Shelby County Department of Planning and Development shall be prohibited and are subject to legal prosecution. If plant material substitutions or other changes are made without OPD/Construction Code Enforcement consent, the liability of any claim is accepted by the property owner and the contractor.

19. The plant schedule is provided as a convenience to the Landscape Contractor and is not guaranteed correct. It is the Landscape Contractor's responsibility to verify all quantities illustrated on the plan based on stated spacing requirements and verify those figures against the Plant Schedule or numbers stated on the plan prior to beginning installation of any plant material.

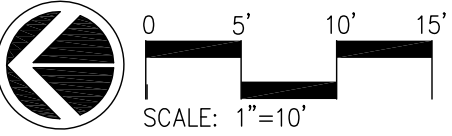
## CERTIFICATION

The project owner, or his authorized agent, agree to comply with the plan review comments and the applicable landscape requirements of the Memphis & Shelby County Zoning Ordinance, Section 29-01-01.

\_\_\_\_\_-Landscape\_\_\_\_\_

VA Hospital Plant Schedule						
Trees						
Botanical Name	Common Name	Unit	Cost.	Install Size (Min.)	Comments	
Quercus phellos	Willow Oak	EA	B&B	3' Cal	Well branched, full head	
Magnolia grandiflora 'Arnold'	'Arnold' Tully Poplar	EA	B&B	8'-10'	Well branched, full head, Matching	
Liiodendron grandiflorum 'Alta'	'Alta' Magnolia	EA	B&B	8'-10'	Full to ground	
Ground Cover, Grass and Shrubs						
Botanical Name	Common Name	Unit	Cost.	Install Size (Min.)	Comments	
Aspidistra elatior	Cast Iron Plant	EA	Coat.	12" HT	Full plant, free of weeds	
Buxus microphylla Japonica 'Winter Gem'	'Winter Gem' Boxwood	EA	B&B	3' HT	Full plant, free of weeds	
Cleyera japonica	Cleyera	EA	Coat.	3' HT	Full plant, free of weeds	
Cornephoris varicillata 'Moonbeam'	'Moonbeam' Tickseed	EA	Coat.	6" Cent.	Full plant, free of weeds	
Hemerocallis Stella de Oro	'Stella de Oro' Daylily	EA	Coat.	1 Gallon	Full plant, free of weeds	
Juncus pennis 'Chenits' Tonsont	Hollydune Juniper	EA	B&B	8 - 10 HT	Full plant, free of weeds, matching	
Juncus spargans exarata 'Parsoni'	'Parson's' Juniper	EA	Coat.	12" x 15" HT	Full plant, free of weeds	
Liriope muscari 'Variegata'	Variegated Liriope	EA	Coat.	4" Cent.	3 - 4 Peps Min.	
Miscanthus sinensis 'Adagio'	'Adagio' Maiden Grass	EA	Coat.	1 Gallon, Full	Full plant, free of weeds	
My Monet® Sunset Jewel Florida PP. 23212	'Sunset Jewel' Daylily	EA	Coat.	8" - 12" HT	Full plant, free of weeds	
Nandina domestica 'Harbour Dwarf'	'Harbour Dwarf' Nandina	EA	Coat.	8" - 12" HT	Full plant, free of weeds	
Pennisetum alopecuroides 'Little Bunny'	'Little Bunny' Fountain Grass	EA	Coat.	1 Gallon, full	Full plant, free of weeds	
Parishia lophocarpa 'Georgia Petal'	'Georgia Petal' Indian Hawthorne	EA	Coat.	12" x 15" HT	Full plant, free of weeds	
Rosa 'Meiglandi' Red	Drift Rose - Red	EA	Coat.	15" HT	Full plant, free of weeds	
Scabiosa columbaria 'Butterfly Blue'	'Butterfly Blue' Scabiosa	EA	Coat.	4" Cent.	Full plant, free of weeds	
Seashore Color		SF			Free of weeds, Selected by Owner	

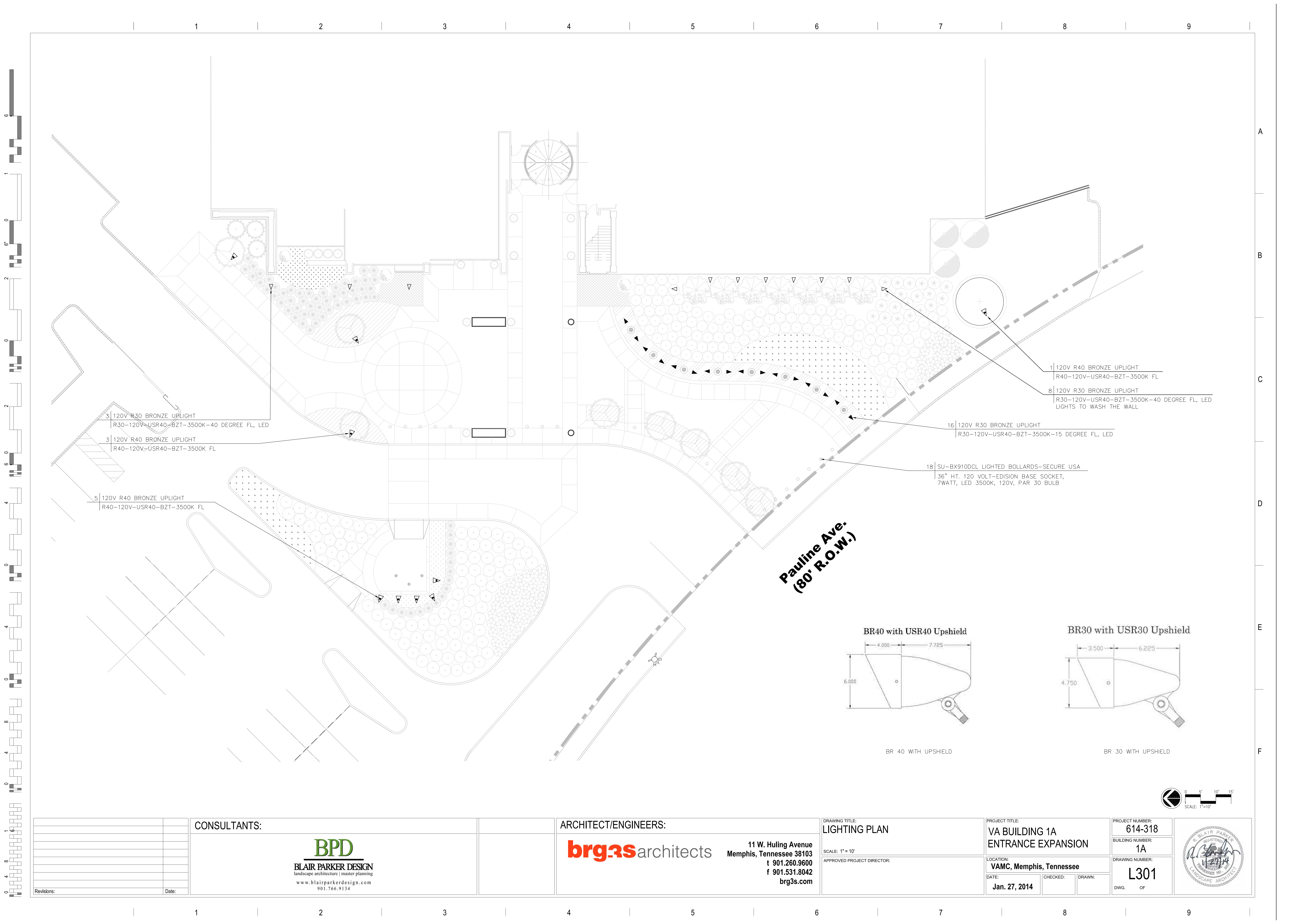
(Please print) Owner	Company Name
Signature	Date

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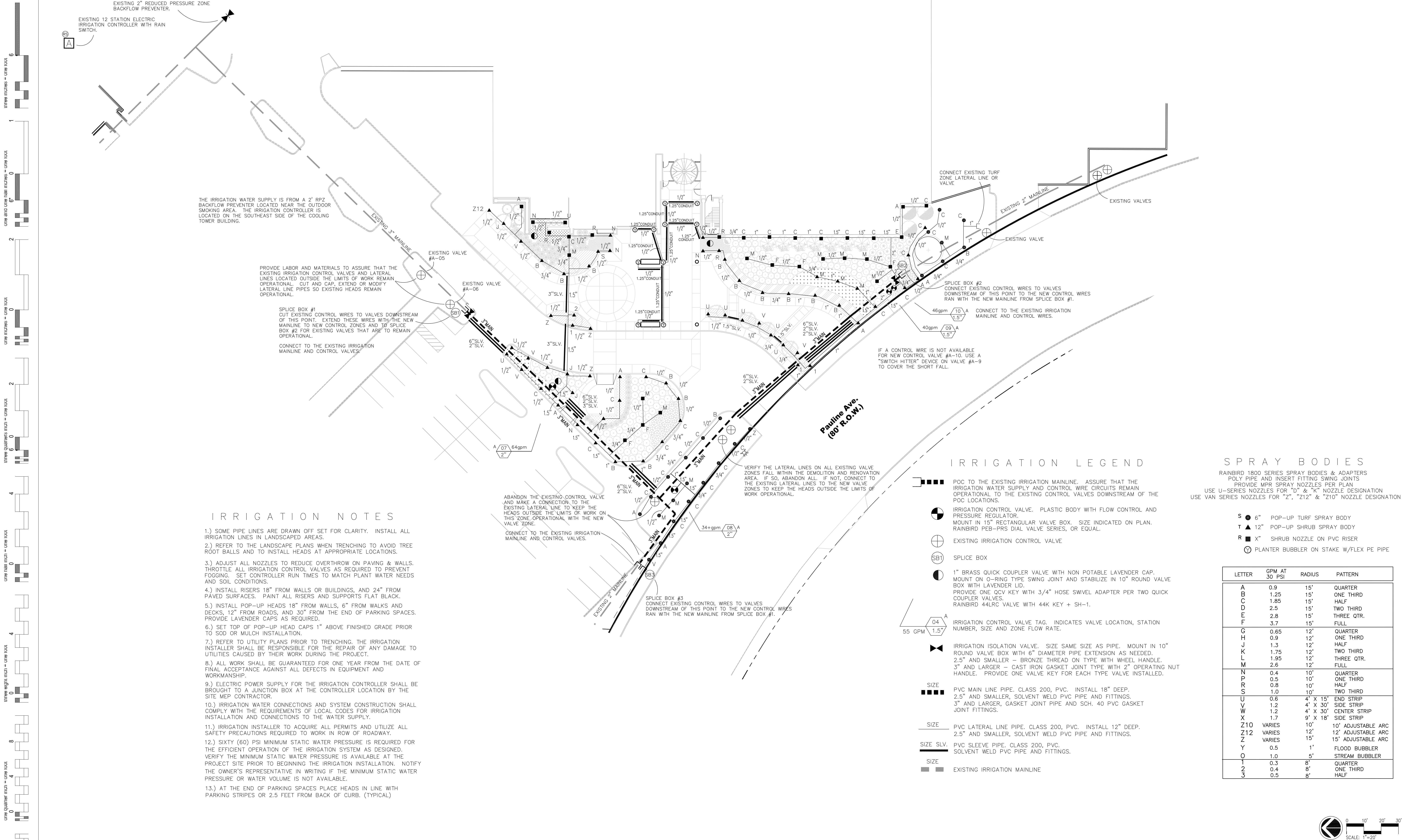






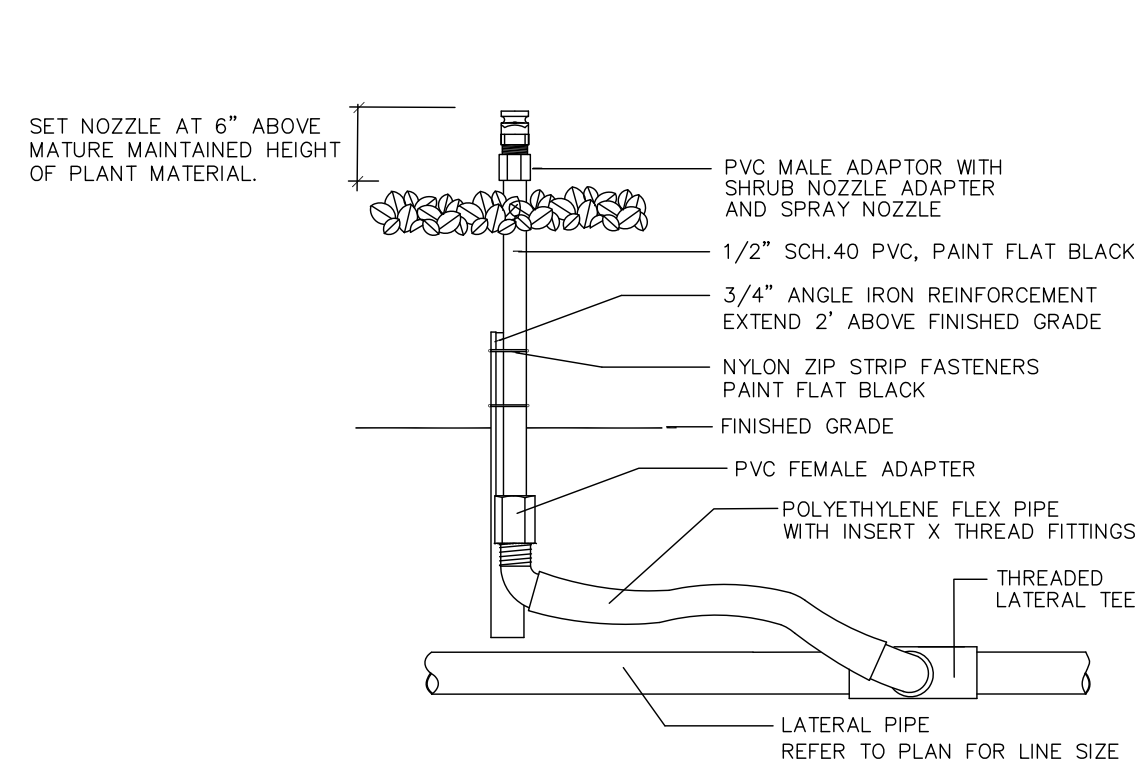






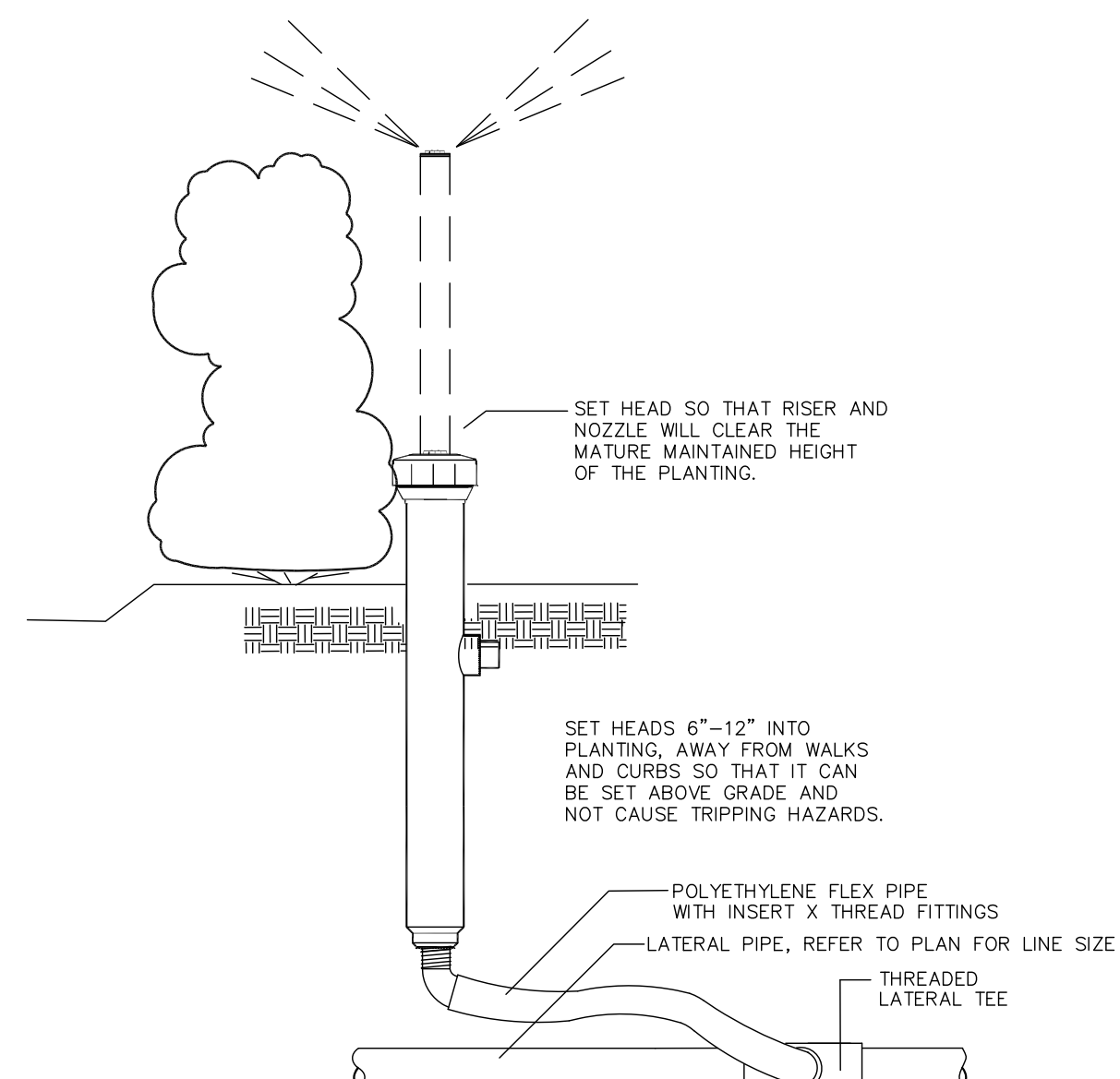
<p>CONSULTANTS:</p> <p><b>BPD</b> BLAIR PARKER DESIGN landscape architecture   master planning www.blairparkerdesign.com 901.766.9134</p>		<p>ARCHITECT/ENGINEERS:</p> <p><b>brg3s</b> architects 11 W. Huling Avenue Memphis, Tennessee 38103 t 901.260.9600 f 901.531.8042 brg3s.com</p>		<p>DRAWING TITLE:</p> <p><b>IRRIGATION PLAN</b></p> <p>SCALE: 1" = 20'</p> <p>APPROVED PROJECT DIRECTOR:</p>		<p>PROJECT TITLE:</p> <p><b>VA BUILDING 1A ENTRANCE EXPANSION</b></p> <p>LOCATION: <b>VAMC, Memphis, Tennessee</b></p> <p>DATE: <b>Jan. 27, 2014</b></p> <p>CHECKED:</p> <p>DRAWN:</p>		<p>PROJECT NUMBER:</p> <p><b>614-318</b></p> <p>BUILDING NUMBER:</p> <p><b>1A</b></p> <p>DRAWING NUMBER:</p> <p><b>IR101</b></p> <p>DWG. OF</p>		<p>0 10' 20' 30' SCALE: 1"=20'</p> <p>REGISTERED LANDSCAPE ARCHITECT Tennessee No. 1058</p>	
<p>Revisions:</p>											





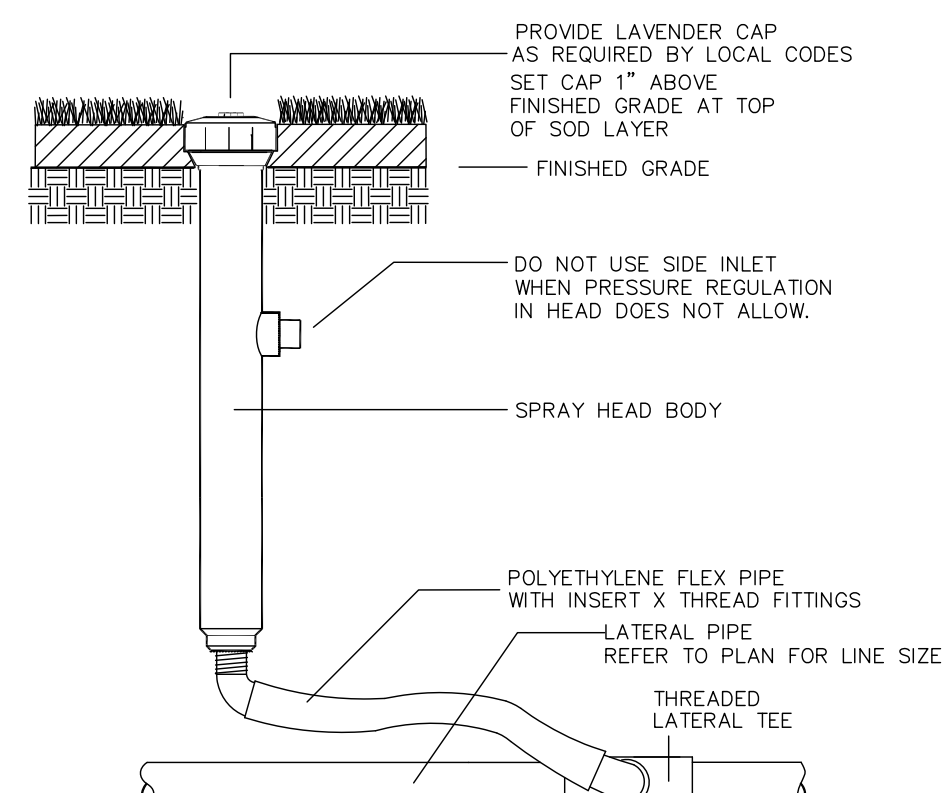
SHRUB RISER

NOT TO SCALE



SPRAY HEAD IN SHRUB BED

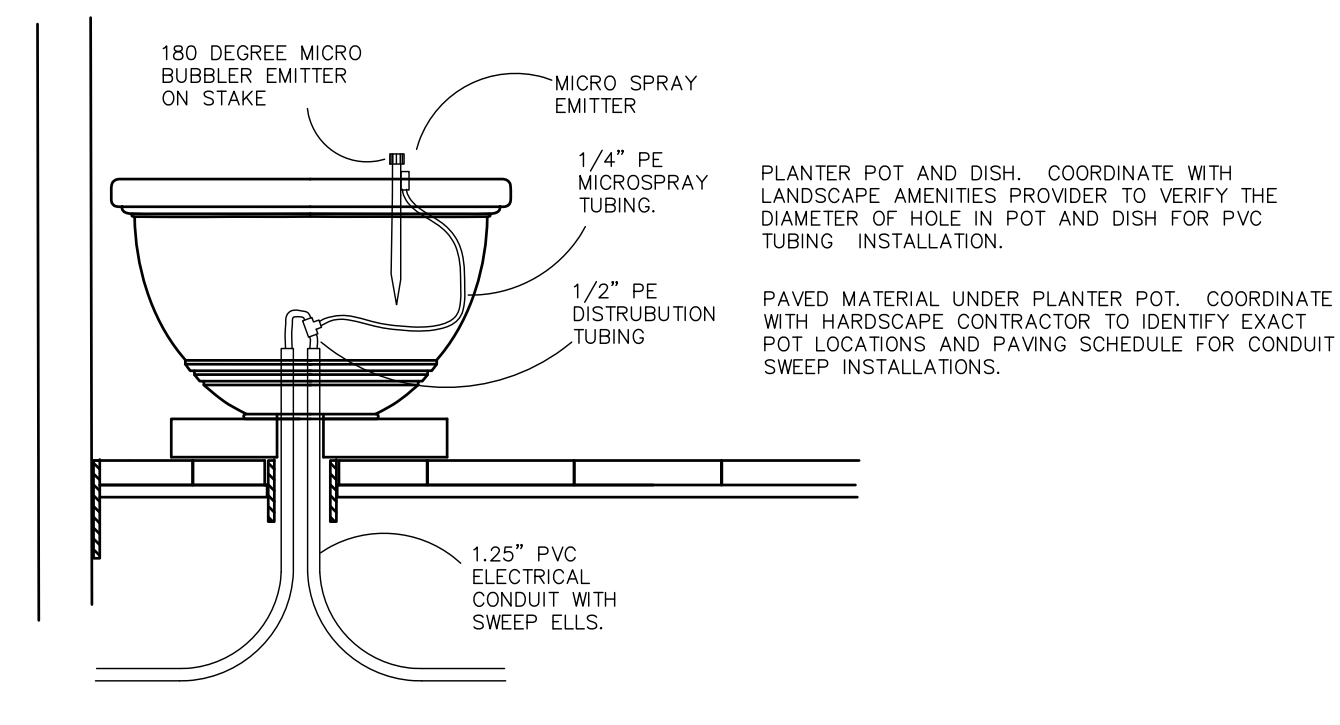
NOT TO SCALE



POP UP SPRAY BODY IN TURF

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NOT TO SCALE



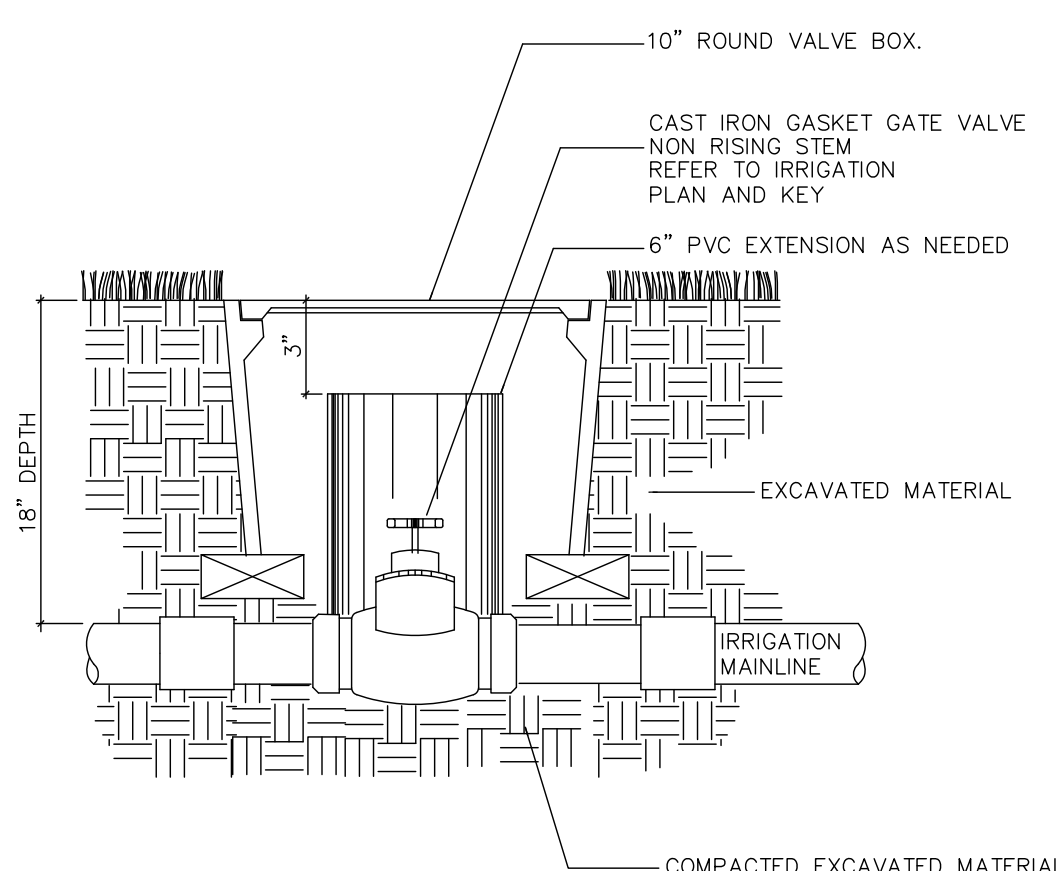
IRRIGATION TO PLANTER POTS

S P R A Y   B O D I E S

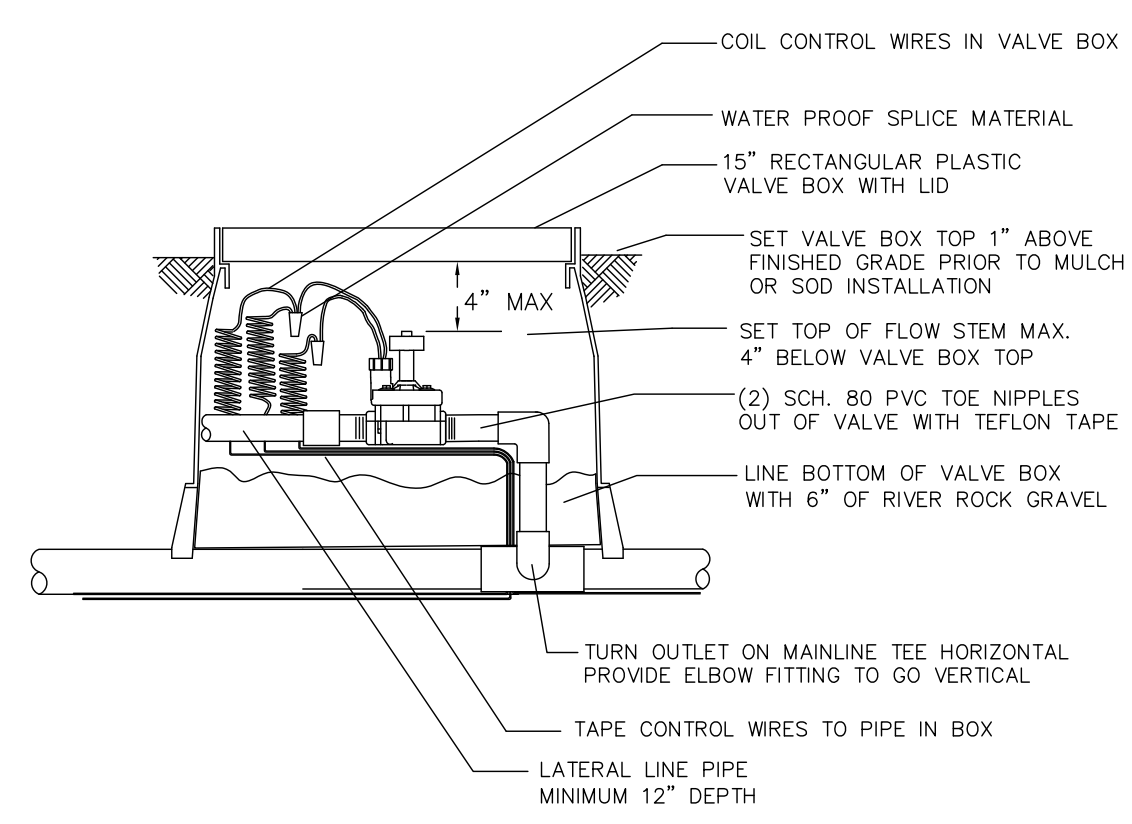
RAINBIRD 1800 SERIES SPRAY BODIES & ADAPTERS  
POLY PIPE AND INSERT FITTING SWING JOINTS  
PROVIDE MPR SPRAY NOZZLES PER PLAN  
USE U-SERIES NOZZLES FOR "D" & "K" NOZZLE DESIGNATION  
USE VAN SERIES NOZZLES FOR "Z", "Z12" & "Z10" NOZZLE DESIGNATION

- S ● 6" POP-UP TURF SPRAY BODY  
T ▲ 12" POP-UP SHRUB SPRAY BODY  
R ■ X" SHRUB NOZZLE ON PVC RISER  
Ⓢ PLANTER BUBBLER ON STAKE W/FLEX PE PIPE

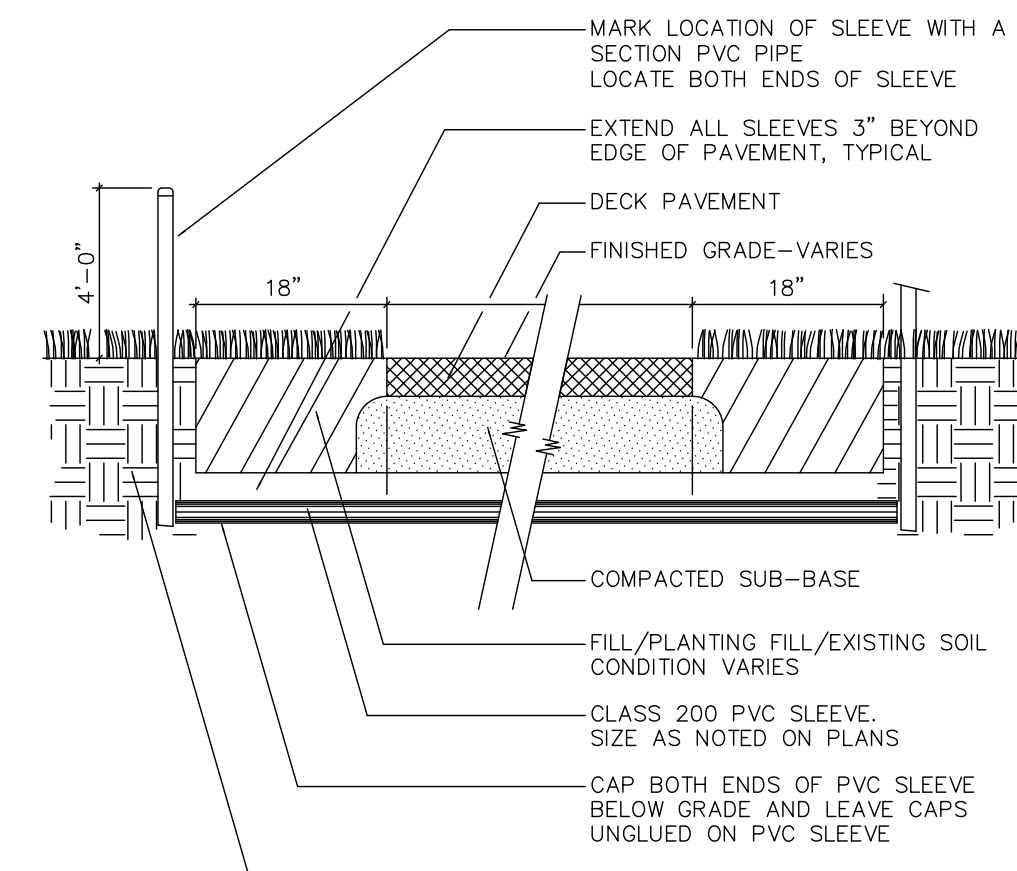
LETTER	GPM AT 30 PSI	RADIUS	PATTERN
A	0.9	15'	QUARTER
B	1.25	15'	ONE THIRD
C	1.85	15'	HALF
D	2.5	15'	TWO THIRD
E	2.8	15'	THREE QTR.
F	3.7	15'	FULL
G	0.65	12'	QUARTER
H	0.9	12'	ONE THIRD
J	1.3	12'	HALF
K	1.75	12'	TWO THIRD
L	1.95	12'	THREE QTR.
M	2.6	12'	FULL
N	0.4	10'	QUARTER
P	0.5	10'	ONE THIRD
R	0.8	10'	HALF
S	1.0	10'	TWO THIRD
U	0.6	4' x 15'	END STRIP
V	1.2	4' x 30'	SIDE STRIP
W	1.2	4' x 30'	CENTER STRIP
X	1.7	9' x 18'	SIDE STRIP
Y	VARIES	10'	10' ADJUSTABLE ARC
Z12	VARIES	12'	12' ADJUSTABLE ARC
Z	VARIES	15'	15' ADJUSTABLE ARC
O	0.5	1'	FLOOD BUBBLER
O	1.0	5'	STREAM BUBBLER
1	0.3	8'	QUARTER
2	0.4	8'	ONE THIRD
3	0.5	8'	HALF



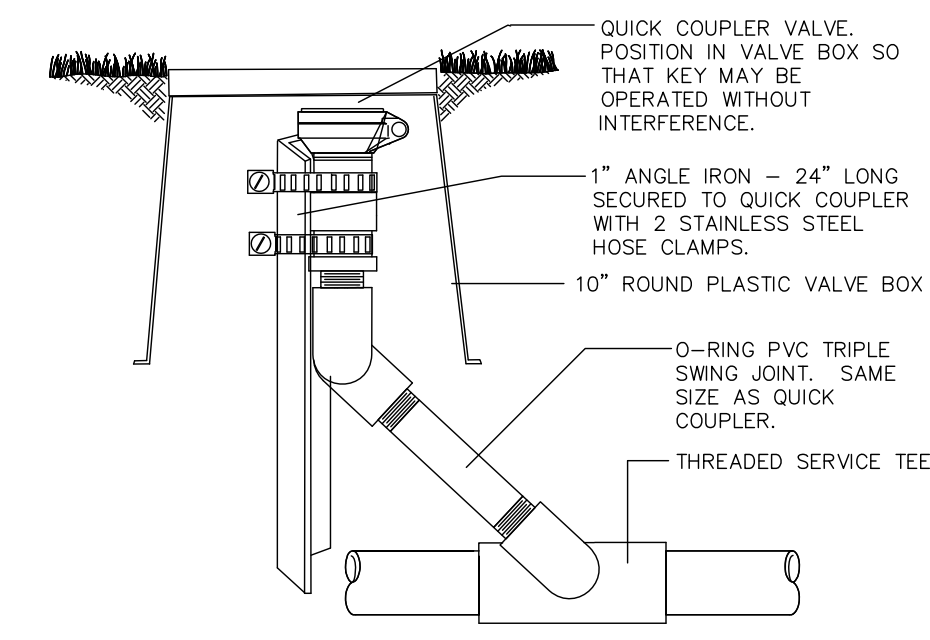

 GATE VALVE
 NOT TO SCALE



SOLENOID CONTROL VALVE



SLEEVE UNDER PAVING



BRASS QUICK COUPLER VALVE

## IRRIGATION NOTES


- 1.) SOME PIPE LINES ARE DRAWN OFF SET FOR CLARITY. INSTALL ALL IRRIGATION LINES IN LANDSCAPED AREAS.
- 2.) REFER TO THE LANDSCAPE PLANS WHEN TRENCHING TO AVOID TREE ROOT BALLS AND TO INSTALL HEADS AT APPROPRIATE LOCATIONS.
- 3.) ADJUST ALL NOZZLES TO REDUCE OVERTHROW ON PAVING & WALLS. THROTTLE ALL IRRIGATION CONTROLLER VALVES AS REQUIRED TO PREVENT FOGGING. SET CONTROLLER RUN TIMES TO MATCH PLANT WATER NEEDS AND SOIL CONDITIONS.
- 4.) INSTALL RISERS 18" FROM WALLS OR BUILDINGS, AND 24" FROM PAVED SURFACES. PAINT ALL RISERS AND SUPPORTS FLAT BLACK.
- 5.) INSTALL POP-UP HEADS 18" FROM WALLS, 6" FROM WALKS AND DECKS, 12" FROM ROADS, AND 30" FROM THE END OF PARKING SPACES. PROVIDE LAVENDER CAPS AS REQUIRED.
- 6.) SET TOP OF POP-UP HEAD CAPS 1" ABOVE FINISHED GRADE PRIOR TO SOD OR MULCH INSTALLATION.
- 7.) REFER TO UTILITY PLANS PRIOR TO TRENCHING. THE IRRIGATION INSTALLER SHALL BE RESPONSIBLE FOR THE REPAIR OF ANY DAMAGE TO UTILITIES CAUSED BY THEIR WORK DURING THE PROJECT.
- 8.) ALL WORK SHALL BE GUARANTEED FOR ONE YEAR FROM THE DATE OF FINAL ACCEPTANCE AGAINST ALL DEFECTS IN EQUIPMENT AND WORKMANSHIP.
- 9.) ELECTRIC POWER SUPPLY FOR THE IRRIGATION CONTROLLER SHALL BE BROUGHT TO A JUNCTION BOX AT THE CONTROLLER LOCATION BY THE SITE MEP CONTRACTOR.
- 10.) IRRIGATION WATER CONNECTIONS AND SYSTEM CONSTRUCTION SHALL COMPLY WITH THE REQUIREMENTS OF LOCAL CODES FOR IRRIGATION INSTALLATION AND CONNECTIONS TO THE WATER SUPPLY.
- 11.) IRRIGATION INSTALLER TO ACQUIRE ALL PERMITS AND UTILIZE ALL SAFETY PRECAUTIONS REQUIRED TO WORK IN ROW OF ROADWAY.
- 12.) SIXTY (60) PSI MINIMUM STATIC WATER PRESSURE IS REQUIRED FOR THE EFFICIENT OPERATION OF THE IRRIGATION SYSTEM AS DESIGNED. VERIFY THE MINIMUM STATIC WATER PRESSURE IS AVAILABLE AT THE PROJECT SITE PRIOR TO BEGINNING THE IRRIGATION INSTALLATION. NOTIFY THE OWNER'S REPRESENTATIVE IN WRITING IF THE MINIMUM STATIC WATER PRESSURE OR WATER VOLUME IS NOT AVAILABLE.
- 13.) AT THE END OF PARKING SPACES PLACE HEADS IN LINE WITH PARKING STRIPES OR 2.5 FEET FROM BACK OF CURB. (TYPICAL)

## IRRIGATION LEGEND

-  POC TO THE EXISTING IRRIGATION MAINLINE. ASSURE THAT THE IRRIGATION WATER SUPPLY AND CONTROL WIRE CIRCUITS REMAIN OPERATIONAL TO THE EXISTING CONTROL VALVES DOWNSTREAM OF THE POC LOCATIONS.

 IRRIGATION CONTROL VALVE. PLASTIC BODY WITH FLOW CONTROL AND PRESSURE REGULATOR.  
MOUNT IN 15" RECTANGULAR VALVE BOX. SIZE INDICATED ON PLAN.  
RAINBIRD PEB-PRS DIAL VALVE SERIES, OR EQUAL.

 EXISTING IRRIGATION CONTROL VALVE

 SPLICE BOX

 1" BRASS QUICK COUPLER VALVE WITH NON POTABLE LAVENDER CAP.  
MOUNT ON O-RING TYPE 'SWING JOINT AND STABILIZE IN 10" ROUND VALVE BOX WITH LAVENDER LID.  
PROVIDE ONE OCQ KEY WITH 3/4" HOSE SWIVEL ADAPTER PER TWO QUICK COUPLER VALVES.  
RAINBIRD 44LRC VALVE WITH 44K KEY + SH-1.

 IRRIGATION CONTROL VALVE TAG. INDICATES VALVE LOCATION, STATION NUMBER, SIZE AND ZONE FLOW RATE.

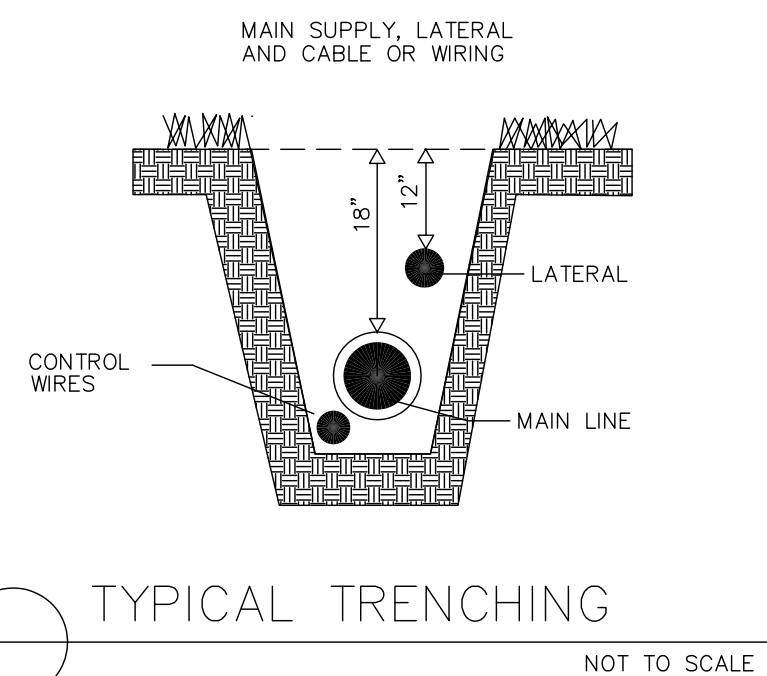
 IRRIGATION ISOLATION VALVE. SAME SIZE AS PIPE. MOUNT IN 10" ROUND VALVE BOX WITH 6" DIAMETER PIPE EXTENSION AS NEEDED.  
2.5" AND SMALLER - BRONZE THREAD ON TYPE WITH WHEEL HANDLE.  
3" AND LARGER - CAST IRON GASKET JOINT TYPE WITH 2" OPERATING NUT.  
HANDLED. PROVIDE ONE VALVE KEY FOR EACH TYPE VALVE INSTALLED.

 PVC MAIN LINE PIPE. CLASS 200, PVC. INSTALL 18" DEEP.  
2.5" AND SMALLER, SOLVENT WELD PVC PIPE AND FITTINGS.  
3" AND LARGER, GASKET JOINT PIPE AND SCH. 40 PVC GASKET JOINT FITTINGS.

 PVC LATERAL LINE PIPE. CLASS 200, PVC. INSTALL 12" DEEP.  
2.5" AND SMALLER, SOLVENT WELD PVC PIPE AND FITTINGS.

 PVC SLEEVE PIPE. CLASS 200, PVC.  
SOLVENT WELD PVC PIPE AND FITTINGS.

 EXISTING IRRIGATION MAINLINE



TYPICAL TRENCHING

NOT TO SCALE

[illegible]

CONSULTANTS:



ARCHITECT/ENGINEERS:



**11 W. Huling Avenue**  
**Memphis, Tennessee 38103**  
**t 901.260.9600**  
**f 901.531.8042**  
**brg3s.com**

**DRAWING TITLE:**

## IRRIGATION PLAN

SCALE:

APPROVED PROJECT DIRECTOR

PROJECT TITLE:

VA BUILDING 1A  
ENTRANCE EXPANSION

LOCATION:

**VAMC, Memphis, Tennessee**

DATE:  
**Jan. 27, 2014**

**CHECKED:**

DRAWN:

PROJECT NUMBER:

614-318

1A

DRAWING NUMBER:  
IR102

DWG. OF

